

# 858 Shipment Information

Functional Group ID=**SI**

## Introduction:

This Draft Standard for Trial Use contains the format and establishes the data contents of the Shipment Information Transaction Set (858) for use within the context of an Electronic Data Interchange (EDI) environment. The transaction set can be used to provide the sender with the capability to transmit detailed bill -of-lading, rating, and/or scheduling information pertinent to a shipment.

## Heading:

	<u>Pos. No.</u>	<u>Seg. ID</u>	<u>Name</u>	<u>Req. Des.</u>	<u>Max.Use</u>	<u>Loop Repeat</u>	<u>Notes and Comments</u>
Must Use	010	ST	Transaction Set Header	M	1		
Not Used	020	ZC1	Beginning Segment For Data Correction Or Change	O	1		
Must Use	030	BX	General Shipment Information	M	1		n1
	040	BNX	Rail Shipment Information	O	1		
Not Used	050	M3	Release	O	1		
	060	N9	Reference Number	O	30		
Not Used	065	CM	Cargo Manifest	O	3		
Not Used	070	Y6	Authentication	O	4		
	080	Y7	Priority	O	1		
Not Used	090	C3	Currency	O	1		
Not Used	100	ITD	Terms of Sale/Deferred Terms of Sale	O	1		
	110	G62	Date/Time	O	10		
	120	PER	Administrative Communications Contact	O	3		
Not Used	130	NA	Cross-Reference Equipment	O	999		
	140	F9	Origin Station	O	1		
	150	D9	Destination Station	O	1		
Not Used	160	R1	Route Information (Air)	O	1		
	170	R2	Route Information	O	13		
Not Used	175	R3	Route Information - Motor	O	13		
Not Used	180	R4	Port	O	5		
Not Used	190	MEA	Measurements	O	10		
	200	H3	Special Handling Instructions	O	20		
Not Used	201	PS	Protective Service Instructions	O	5		
Not Used	210	H6	Special Services	O	6		
LOOP ID - E1						1	
	220	E1	Empty Car Disposition - Pended Destination Consignee	O	1		
	230	E4	Empty Car Disposition - Pended Destination City	O	1		
	240	E5	Empty Car Disposition - Pended Destination Route	O	13		

# 858A - Freight Government Bill of Lading Shipment Information

Not Used	245	PI	Price Authority Identification	O	1
Not Used	250	M1	Insurance	O	1
Not Used	260	M2	Sales/Delivery Terms	O	1
	270	L7	Tariff Reference	O	30
	280	NTE	Note/Special Instruction	O	30
Not Used	290	XH	Pro Forma - B13 Information	O	1
Not Used	300	GA	Canadian Grain Information	O	1
LOOP ID - N7					600
	330	N7	Equipment Details	O	1
Not Used	331	EM	Equipment Characteristics	O	1
	335	NA	Cross-Reference Equipment	O	30
	340	M7	Seal Numbers	O	5
	350	N5	Equipment Ordered	O	1
	360	REF	Reference Numbers	O	5
Not Used	370	IC	Intermodal Chassis Equipment	O	1
Not Used	380	VC	Motor Vehicle Control	O	21
LOOP ID - E1					1
Not Used	381	E1	Empty Car Disposition - Pended Destination Consignee	O	1
Not Used	382	E4	Empty Car Disposition - Pended Destination City	O	1
Not Used	383	E5	Empty Car Disposition - Pended Destination Route	O	13
Not Used	384	PI	Price Authority Identification	O	1
LOOP ID - N1					12
	390	N1	Name	O	1
	400	N2	Additional Name Information	O	2
	410	N3	Address Information	O	2
	420	N4	Geographic Location	O	1
Not Used	430	REF	Reference Numbers	O	12
	440	PER	Administrative Communications Contact	O	3
Not Used	445	H3	Special Handling Instructions	O	5
LOOP ID - S5					50
	450	S5	Stop Off Details	O	1
	460	G62	Date/Time	O	6
Not Used	470	N9	Reference Number	O	10
Not Used	480	H6	Special Services	O	6
LOOP ID - N1					5
	490	N1	Name	O	1
	500	N2	Additional Name Information	O	2
	510	N3	Address Information	O	2
	520	N4	Geographic Location	O	1
Not Used	530	REF	Reference Numbers	O	12
	540	PER	Administrative Communications Contact	O	3

## Detail:

## 858A - Freight Government Bill of Lading Shipment Information

	<u>Pos. No.</u>	<u>Seg. ID</u>	<u>Name</u>	<u>Req. Des.</u>	<u>Max.Use</u>	<u>Loop Repeat</u>	<u>Notes and Comments</u>
			LOOP ID - LX			999	
Must Use	010	LX	Assigned Number	M	1		
	020	N7	Equipment Details	O	1		
	030	NA	Cross-Reference Equipment	O	1		
	040	M7	Seal Numbers	O	5		
Not Used	050	N5	Equipment Ordered	O	1		
Not Used	060	REF	Reference Numbers	O	5		
Not Used	070	IC	Intermodal Chassis Equipment	O	1		
Not Used	080	VC	Motor Vehicle Control	O	24		
	090	L7	Tariff Reference	O	10		
Not Used	095	SL1	Tariff Reference	O	1		
	100	N9	Reference Number	O	10		
Not Used	105	H3	Special Handling Instructions	O	1		
Not Used	110	X1	Export License	O	6		
Not Used	120	X2	Import License	O	1		
	130	L5	Description, Marks and Numbers	O	10		
Not Used	131	PER	Administrative Communications Contact	O	5		
Not Used	132	LH2	Hazardous Classification Information	O	6		
Not Used	133	LHR	Hazardous Material Identifying Reference Numbers	O	1		
	134	LH6	Hazardous Certification	O	5		
			LOOP ID - L0			10	
	140	L0	Line Item - Quantity and Weight	O	1		
	150	L1	Rate and Charges	O	20		
	160	MEA	Measurements	O	10		
			LOOP ID - LH1			100	
	170	LH1	Hazardous Identification Information	O	1		
	180	LH2	Hazardous Classification Information	O	4		n2
	190	LH3	Hazardous Material Shipping Name	O	12		
	191	LFH	Freeform Hazardous Material Information	O	20		
Not Used	192	LEP	EPA Required Data	O	3		
Not Used	200	LH4	Canadian Dangerous Requirements	O	1		
Not Used	201	LHT	Transborder Hazardous Requirements	O	3		
	210	LHR	Hazardous Material Identifying Reference Numbers	O	10		n3
Not Used	215	PER	Administrative Communications Contact	O	5		
	220	LHE	Empty Equipment Hazardous Material Information	O	1		n4

**Summary:**

	<u>Pos. No.</u>	<u>Seg. ID</u>	<u>Name</u>	<u>Req. Des.</u>	<u>Max.Use</u>	<u>Loop Repeat</u>	<u>Notes and Comments</u>
	010	L3	Total Weight and Charges	O	1		
Must Use	020	SE	Transaction Set Trailer	M	1		

**Transaction Set Notes**

1. BX05 contains the SCAC of the original roadhaul carrier receiving the shipment.
2. If the hazardous endorsement (LH204) is "NONE", then use of LH204 is mandatory. However, the receiver must consider it to be blanks when printing a paper document.
3. All receivers of the EDI transactions covering empty tank cars which last contained hazardous commodities must be able to add the constant words: RESIDUE: LAST CONTAINED ahead of the contents of LHE01 and add the constant: RESIDUE following the contents of the LHE02 when printing paper documents.
4. When used in the hazardous material loop, the segment will identify the various certification, exemption or shipper-related numbers that relate to the specific line item of the shipment that are in addition to the UN/UA number reference in the LH1 segment.

**Segment:** **ST** Transaction Set Header  
**Position:** 010  
**Loop:**  
**Level:** Heading  
**Usage:** Mandatory  
**Max Use:** 1  
**Purpose:** To indicate the start of a transaction set and to assign a control number  
**Syntax Notes:**  
**Semantic Notes:** 1 The transaction set identifier (ST01) used by the translation routines of the interchange partners to select the appropriate transaction set definition (e.g., 810 selects the Invoice Transaction Set).  
**Comments:**

#### Data Element Summary

	<b>Ref. Des.</b>	<b>Data Element</b>	<b>Name</b>	<b>Attributes</b>
<b>Must Use</b>	<b>ST01</b>	<b>143</b>	<b>Transaction Set Identifier Code</b>	<b>M ID 3/3</b>
			Code uniquely identifying a Transaction Set	
			858 X12.18 Shipment Information	
<b>Must Use</b>	<b>ST02</b>	<b>329</b>	<b>Transaction Set Control Number</b>	<b>M AN 4/9</b>
			Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set	

**Segment:** **BX** General Shipment Information  
**Position:** 030  
**Loop:**  
**Level:** Heading  
**Usage:** Mandatory  
**Max Use:** 1  
**Purpose:** To transmit identification numbers and other basic shipment data  
**Syntax Notes:**  
**Semantic Notes:**  
**Comments:**

## Data Element Summary

	<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
	<u>Des.</u>	<u>Element</u>		
Must Use	BX01	353	<b>Transaction Set Purpose Code</b>	<b>M ID 2/2</b>
			Code identifying purpose of transaction set	
			00 Original	
			01 Cancellation	
			04 Change	
			14 Advance Notification	
			20 Final Transmission	
Must Use	BX02	91	<b>Transportation Method/Type Code</b>	<b>M ID 1/2</b>
			Code specifying the method or type of transportation for the shipment	
			Refer to 003050 Data Element Dictionary for acceptable code values.	
Must Use	BX03	146	<b>Shipment Method of Payment</b>	<b>M ID 2/2</b>
			Code identifying payment terms for transportation charges	
			CC Collect	
			CD Collect on Delivery	
			PP Prepaid (by Seller)	
	BX04	145	<b>Shipment Identification Number</b>	<b>O AN 1/30</b>
			Identification number assigned to the shipment by the shipper that uniquely identifies the shipment from origin to ultimate destination and is not subject to modification; (Does not contain blanks or special characters)	
	BX05	140	<b>Standard Carrier Alpha Code</b>	<b>O ID 2/4</b>
			Standard Carrier Alpha Code	
Not Used	BX06	188	<b>Weight Unit Code</b>	<b>O ID 1/1</b>
			Code specifying the weight unit	
			Refer to 003050 Data Element Dictionary for acceptable code values.	
	BX07	147	<b>Shipment Qualifier</b>	<b>O ID 1/1</b>
			Code defining relationship of this shipment with respect to other shipments given to the carrier at the same time	
			B Bill of Lading for Individual Shipment	

			F	Stop-off Shipment Shipment with sub-shipments to be loaded or unloaded enroute to final destination	
			G	Switch Waybill	
			M	Master Bill of Lading for Assembly, Distribution and Volume Shipment A bill of lading with multiple delivery locations	
Not Used	BX08	226	<b>Section Seven Code</b>		O ID 1/1
			Code indicating applicability of section seven option (if not transmitted assume not in effect)		
			Refer to 003050 Data Element Dictionary for acceptable code values.		
	BX09	195	<b>Capacity Load Code</b>		O ID 1/1
			Code specifying type of capacity load		
			F	Full Capacity	
	BX10	160	<b>Status Report Request Code</b>		O ID 1/1
			Code used by the shipper to specify that an automatic status report is requested when the shipment is delivered		
			R	Automatic Status Report Requested	
Not Used	BX11	501	<b>Customs Documentation Handling Code</b>		O ID 2/2
			Code defining method of handling for documentation		
			Refer to 003050 Data Element Dictionary for acceptable code values.		
Not Used	BX12	199	<b>Confidential Billing Request Code</b>		O ID 1/1
			Code used by the shipper to request that the carrier inhibit origin identification information from the invoice transaction sets and/or rate and charges from waybill documents and transaction sets when shipment moves under confidential contract rates		
			Refer to 003050 Data Element Dictionary for acceptable code values.		
Not Used	BX13	714	<b>Goods and Services Tax Reason Code</b>		O ID 1/1
			Code required to identify the reason for a 0% rated goods and services tax		
			Refer to 003050 Data Element Dictionary for acceptable code values.		
Not Used	BX14	346	<b>Application Type</b>		O ID 2/2
			Code identifying an application		
			Refer to 003050 Data Element Dictionary for acceptable code values.		

**Segment:** **BNX** Rail Shipment Information  
**Position:** 040  
**Loop:**  
**Level:** Heading  
**Usage:** Optional  
**Max Use:** 1  
**Purpose:** To transmit rail-specific shipment data  
**Syntax Notes:**  
**Semantic Notes:**  
**Comments:**

Data Element Summary				
Ref.	Data			
<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>	
BNX01	460	<b>Shipment Weight Code</b>	O	ID 1/1
		Code indicating the way by which weights are obtained for a particular shipment		
		S Shipper Certified Scale Weights		
		T Tariff Authorized Weight		
Not Used	BNX02	129 <b>Referenced Pattern Identifier</b>	O	AN 1/13
		Identification of a repetitive pattern that is to be used as a basis for creating a shipment record or a new pattern; or identification of a pattern requiring change or deletion		
	BNX03	11 <b>Billing Code</b>	O	ID 1/1
		Code indicating type of Bill		
		V Normal Bill of Lading		
Not Used	BNX04	223 <b>Repetitive Pattern Number</b>	O	N0 5/5
		RWC number composed of a four-digit number with a fifth digit being a modulus 10 check digit		



**Segment:** **N9** **Reference Number**  
**Position:** 060  
**Loop:**  
**Level:** Heading  
**Usage:** Optional  
**Max Use:** 30  
**Purpose:** To transmit identifying numbers and descriptive information as specified by the reference number qualifier  
**Syntax Notes:** 1 At least one of N902 or N903 is required.  
2 If N906 is present, then N905 is required.  
**Semantic Notes:** 1 N906 reflects the time zone which the time reflects.  
**Comments:**

## Data Element Summary

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	N901	128	<b>Reference Number Qualifier</b> Code qualifying the Reference Number. AR Arrival Code BM Bill of Lading Number CN Carrier's Reference Number (PRO/Invoice) CT Contract Number DD Document Identification Code FI File Identifier PO Purchase Order Number RG Route Order Number-Domestic RH Route Order Number-Export RJ Route Order Number-Emergency	M ID 2/2
	N902	127	<b>Reference Number</b> Reference number or identification number as defined for a particular Transaction Set, or as specified by the Reference Number Qualifier.	X AN 1/30
Not Used	N903	369	<b>Free-form Description</b> Free-form descriptive text	X AN 1/45
	N904	373	<b>Date</b> Date (YYMMDD)	O DT 6/6
Not Used	N905	337	<b>Time</b> Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99)	X TM 4/8
Not Used	N906	623	<b>Time Code</b>	O ID 2/2

Code identifying the time. In accordance with International Standards Organization standard 8601, time can be specified by a + or - and an indication in hours in relation to Universal Time Coordinate (UTC) time; since + is a restricted character, + and - are substituted by P and M in the codes that follow

Refer to 003050 Data Element Dictionary for acceptable code values.

**Segment:** **Y7** Priority  
**Position:** 080  
**Loop:**  
**Level:** Heading  
**Usage:** Optional  
**Max Use:** 1  
**Purpose:** To assign a priority to a booking which would increase the possibility that this cargo would be booked on said voyage and not be shut out  
**Syntax Notes:** 1 If either Y702 or Y703 is present, then the other is required.  
**Semantic Notes:** 1 Y705 is the date specified by the shipper indicating when the shipment is required at the consignee's location.  
**Comments:**

## Data Element Summary

	<b>Ref.</b>	<b>Data</b>	<b>Attributes</b>
	<b><u>Des.</u></b>	<b><u>Element</u> <u>Name</u></b>	
	<b>Y701</b>	<b>467 Priority</b>	<b>O N0 1/1</b>
		Number indicating importance	
<b>Not Used</b>	<b>Y702</b>	<b>470 Priority Code</b>	<b>X N0 1/1</b>
		Code indicating level of priority: 1-highest, 0-implies priority not assigned	
<b>Not Used</b>	<b>Y703</b>	<b>471 Priority Code Qualifier</b>	<b>X AN 1/1</b>
		Number indicating the number of levels of priority (1 to 9) used for data element 470, Priority Code	
<b>Not Used</b>	<b>Y704</b>	<b>468 Port Call File Number</b>	<b>O N0 4/4</b>
		Reference number assigned by a shipper	
<b>Not Used</b>	<b>Y705</b>	<b>373 Date</b>	<b>O DT 6/6</b>
		Date (YYMMDD)	

**Segment:** **G62** Date/Time**Position:** 110**Loop:****Level:** Heading**Usage:** Optional**Max Use:** 10**Purpose:** To specify pertinent dates and times

**Syntax Notes:**

- 1 At least one of G6201 or G6203 is required.
- 2 If either G6201 or G6202 is present, then the other is required.
- 3 If either G6203 or G6204 is present, then the other is required.

**Semantic Notes:****Comments:****Data Element Summary**

<b>Ref.</b>	<b>Data</b>	<b>Name</b>	<b>Attributes</b>
<b><u>Des.</u></b>	<b><u>Element</u></b>		
<b>G6201</b>	<b>432</b>	<b>Date Qualifier</b>	<b>X ID 2/2</b>
		Code specifying type of date	
		10 Requested Ship Date/Pick-up Date	
		54 Deliver No Later Than Date	
		66 Delivered on This Date	
		68 Requested Delivery Date	
		76 Bill of Lading	
		77 Pickup Appointment Scheduled Date	
		83 Equipment Furnished Date	
		86 Actual Pickup Date	
<b>G6202</b>	<b>373</b>	<b>Date</b>	<b>X DT 6/6</b>
		Date (YYMMDD)	
<b>G6203</b>	<b>176</b>	<b>Time Qualifier</b>	<b>X ID 1/2</b>
		Code specifying the reported time	
		8 Actual Pickup Time	
<b>G6204</b>	<b>337</b>	<b>Time</b>	<b>X TM 4/8</b>
		Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99)	
<b>G6205</b>	<b>623</b>	<b>Time Code</b>	<b>O ID 2/2</b>
		Code identifying the time. In accordance with International Standards Organization standard 8601, time can be specified by a + or - and an indication in hours in relation to Universal Time Coordinate (UTC) time; since + is a restricted character, + and - are substituted by P and M in the codes that follow	

		GM	Greenwich Mean Time	
		LT	Local Time	
<b>G6206</b>	<b>624</b>	<b>Century</b>		<b>O N0 2/2</b>
		The first two characters in the designation of the year (CCYY)		

**Segment:** **PER** **Administrative Communications Contact**  
**Position:** 120  
**Loop:**  
**Level:** Heading  
**Usage:** Optional  
**Max Use:** 3  
**Purpose:** To identify a person or office to whom administrative communications should be directed

**Syntax Notes:**

- 1 If either PER03 or PER04 is present, then the other is required.
- 2 If either PER05 or PER06 is present, then the other is required.
- 3 If either PER07 or PER08 is present, then the other is required.

**Semantic Notes:**  
**Comments:**

Data Element Summary				
	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	PER01	366	<b>Contact Function Code</b>	<b>M ID 2/2</b>
			Code identifying the major duty or responsibility of the person or group named	
			EF Emergency Contact-Military Traffic Management Command (MTMC)	
			IC Information Contact	
Not Used	PER02	93	<b>Name</b>	<b>O AN 1/35</b>
			Free-form name	
	PER03	365	<b>Communication Number Qualifier</b>	<b>X ID 2/2</b>
			Code identifying the type of communication number	
			AU Defense Switched Network	
			Department of Defense telecommunications system and successor of the Automatic Voice Network (AUTOVON)	
			FT Federal Telecommunications System (FTS)	
			IT International Telephone	
			TE Telephone	
	PER04	364	<b>Communication Number</b>	<b>X AN 1/80</b>
			Complete communications number including country or area code when applicable	
Not Used	PER05	365	<b>Communication Number Qualifier</b>	<b>X ID 2/2</b>
			Code identifying the type of communication number	
			Refer to 003050 Data Element Dictionary for acceptable code values.	
Not Used	PER06	364	<b>Communication Number</b>	<b>X AN 1/80</b>
			Complete communications number including country or area code when applicable	

<b>Not Used</b>	<b>PER07</b>	<b>365</b>	<b>Communication Number Qualifier</b>	<b>X</b>	<b>ID 2/2</b>
			Code identifying the type of communication number Refer to 003050 Data Element Dictionary for acceptable code values.		
<b>Not Used</b>	<b>PER08</b>	<b>364</b>	<b>Communication Number</b>	<b>X</b>	<b>AN 1/80</b>
			Complete communications number including country or area code when applicable		
<b>Not Used</b>	<b>PER09</b>	<b>443</b>	<b>Contact Inquiry Reference</b>	<b>O</b>	<b>AN 1/20</b>
			Additional reference number or description to clarify a contact number		

**Segment:** **F9** **Origin Station**  
**Position:** 140  
**Loop:**  
**Level:** Heading  
**Usage:** Optional  
**Max Use:** 1  
**Purpose:** To identify the rail origin of the shipment  
**Syntax Notes:**  
**Semantic Notes:** 1 F902 is the origin station for movement.  
**Comments:** 1 F905 is the Freight Station Accounting of the billed at station.  
2 F906 is the name of the Billed at Station.

**Data Element Summary**

	<b>Ref.</b>	<b>Data</b>	<b>Attributes</b>
	<b><u>Des.</u></b>	<b><u>Element</u> <u>Name</u></b>	
Not Used	<b>F901</b>	<b>573 Freight Station Accounting Code</b>	<b>O ID 1/5</b>
		Code (Freight Station Accounting) (AAR Managed Code for Locations)	
Must Use	<b>F902</b>	<b>19 City Name</b>	<b>M AN 2/30</b>
		Free-form text for city name	
Must Use	<b>F903</b>	<b>156 State or Province Code</b>	<b>M ID 2/2</b>
		Code (Standard State/Province) as defined by appropriate government agency	
Not Used	<b>F904</b>	<b>26 Country Code</b>	<b>O ID 2/3</b>
		Code identifying the country	
Not Used	<b>F905</b>	<b>573 Freight Station Accounting Code</b>	<b>O ID 1/5</b>
		Code (Freight Station Accounting) (AAR Managed Code for Locations)	
Not Used	<b>F906</b>	<b>19 City Name</b>	<b>O AN 2/30</b>
		Free-form text for city name	
Not Used	<b>F907</b>	<b>156 State or Province Code</b>	<b>O ID 2/2</b>
		Code (Standard State/Province) as defined by appropriate government agency	
	<b>F908</b>	<b>154 Standard Point Location Code</b>	<b>O ID 6/9</b>
		Code (Standard Point Location) defined by NMFTA point development group as the official code assigned to a city or point (for ratemaking purposes) within a city	
Not Used	<b>F909</b>	<b>116 Postal Code</b>	<b>O ID 3/11</b>
		Code defining international postal zone code excluding punctuation and blanks (zip code for United States)	



**Segment:** **D9** Destination Station  
**Position:** 150  
**Loop:**  
**Level:** Heading  
**Usage:** Optional  
**Max Use:** 1  
**Purpose:** To identify the rail destination of the shipment  
**Syntax Notes:**  
**Semantic Notes:** 1 Destination Station of Movement  
**Comments:** 1 D905 is the freight station accounting code of the city name in D906.

## Data Element Summary

	<u>Ref.</u>	<u>Data</u>	<u>Attributes</u>
	<u>Des.</u>	<u>Element</u> <u>Name</u>	
Not Used	D901	573 <b>Freight Station Accounting Code</b>	O ID 1/5
		Code (Freight Station Accounting) (AAR Managed Code for Locations)	
Must Use	D902	19 <b>City Name</b>	M AN 2/30
		Free-form text for city name	
Must Use	D903	156 <b>State or Province Code</b>	M ID 2/2
		Code (Standard State/Province) as defined by appropriate government agency	
Not Used	D904	26 <b>Country Code</b>	O ID 2/3
		Code identifying the country	
Not Used	D905	573 <b>Freight Station Accounting Code</b>	O ID 1/5
		Code (Freight Station Accounting) (AAR Managed Code for Locations)	
Not Used	D906	19 <b>City Name</b>	O AN 2/30
		Free-form text for city name	
Not Used	D907	156 <b>State or Province Code</b>	O ID 2/2
		Code (Standard State/Province) as defined by appropriate government agency	
	D908	154 <b>Standard Point Location Code</b>	O ID 6/9
		Code (Standard Point Location) defined by NMFTA point development group as the official code assigned to a city or point (for ratemaking purposes) within a city	
Not Used	D909	116 <b>Postal Code</b>	O ID 3/11
		Code defining international postal zone code excluding punctuation and blanks (zip code for United States)	

**Segment:** **R2** **Route Information**  
**Position:** 170  
**Loop:**  
**Level:** Heading  
**Usage:** Optional  
**Max Use:** 13  
**Purpose:** To specify carrier and routing sequences and details  
**Syntax Notes:**  
**Semantic Notes:**

- 1 R203 is the station or city name at which carriers interchange shipments.
- 2 R210 is the billing date.

**Comments:**

**Data Element Summary**

	<b>Ref.</b>	<b>Data</b>	<b>Attributes</b>
	<b><u>Des.</u></b>	<b><u>Element</u> <u>Name</u></b>	
<b>Must Use</b>	<b>R201</b>	<b>140 Standard Carrier Alpha Code</b> Standard Carrier Alpha Code	<b>M ID 2/4</b>
<b>Must Use</b>	<b>R202</b>	<b>133 Routing Sequence Code</b> Code describing the relationship of a carrier to a specific shipment movement	<b>M ID 1/2</b>
		1 1st Carrier after Origin Carrier	
		2 2nd Carrier after Origin Carrier	
		3 3rd Carrier after Origin Carrier	
		4 4th Carrier after Origin Carrier	
		5 5th Carrier after Origin Carrier	
		6 6th Carrier after Origin Carrier	
		7 7th Carrier after Origin Carrier	
		8 8th Carrier after Origin Carrier	
		9 9th Carrier after Origin Carrier	
<b>Not Used</b>	<b>R203</b>	<b>19 City Name</b> Free-form text for city name	<b>O AN 2/30</b>
	<b>R204</b>	<b>154 Standard Point Location Code</b> Code (Standard Point Location) defined by NMFTA point development group as the official code assigned to a city or point (for ratemaking purposes) within a city	<b>O ID 6/9</b>
<b>Not Used</b>	<b>R205</b>	<b>177 Intermodal Service Code</b> Code identifying the Intermodal Service Plan	<b>O ID 1/2</b>
<b>Not Used</b>	<b>R206</b>	<b>91 Transportation Method/Type Code</b> Code specifying the method or type of transportation for the shipment Refer to 003050 Data Element Dictionary for acceptable code values.	<b>O ID 1/2</b>
<b>Not Used</b>	<b>R207</b>	<b>296 Intermediate Switch Carrier</b> Code defining a road which neither originates nor terminates the shipment	<b>O ID 2/4</b>

			but provides a switching service between two roadhaul rail carriers (SCAC code for rail switch carrier)		
<b>Not Used</b>	<b>R208</b>	<b>296</b>	<b>Intermediate Switch Carrier</b>	<b>O</b>	<b>ID 2/4</b>
			Code defining a road which neither originates nor terminates the shipment but provides a switching service between two roadhaul rail carriers (SCAC code for rail switch carrier)		
<b>Not Used</b>	<b>R209</b>	<b>76</b>	<b>Invoice Number</b>	<b>O</b>	<b>AN 1/22</b>
			Identifying number assigned by issuer		
<b>Not Used</b>	<b>R210</b>	<b>373</b>	<b>Date</b>	<b>O</b>	<b>DT 6/6</b>
			Date (YYMMDD)		
<b>Not Used</b>	<b>R211</b>	<b>369</b>	<b>Free-form Description</b>	<b>O</b>	<b>AN 1/45</b>
			Free-form descriptive text		
<b>Not Used</b>	<b>R212</b>	<b>56</b>	<b>Type of Service Code</b>	<b>O</b>	<b>ID 2/2</b>
			Code specifying extent of transportation service requested		
			Refer to 003050 Data Element Dictionary for acceptable code values.		
<b>Not Used</b>	<b>R213</b>	<b>742</b>	<b>Route Description</b>	<b>O</b>	<b>AN 1/35</b>
			Point to point routing description		

**Segment:** **H3** Special Handling Instructions  
**Position:** 200  
**Loop:**  
**Level:** Heading  
**Usage:** Optional  
**Max Use:** 20  
**Purpose:** To specify special handling instructions in coded or free-form format  
**Syntax Notes:** 1 Only one of H301 or H302 may be present.  
**Semantic Notes:**  
**Comments:**

#### Data Element Summary

Ref.	Data		
<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
H301	152	<b>Special Handling Code</b>	<b>X ID 2/3</b>
		Code specifying special transportation handling instructions	
		Refer to 003050 Data Element Dictionary for acceptable code values.	
H302	153	<b>Special Handling Description</b>	<b>X AN 2/30</b>
		Free-form additional description of special handling instructions to appear on printed bill if special handling code is not adequate	
Not Used	H303	<b>241 Protective Service Code</b>	<b>O ID 1/4</b>
		Code specifying perishable protective service- rail carriers only	
		Refer to 003050 Data Element Dictionary for acceptable code values.	
Not Used	H304	<b>242 Vent Instruction Code</b>	<b>O ID 1/7</b>
		Code specifying vent instructions	
		Refer to 003050 Data Element Dictionary for acceptable code values.	
Not Used	H305	<b>257 Tariff Application Code</b>	<b>O ID 1/1</b>
		Code indicating to which traffic a tariff applies	
		Refer to 003050 Data Element Dictionary for acceptable code values.	

**Segment:** **E1** Empty Car Disposition - Pended Destination Consignee  
**Position:** 220  
**Loop:** E1 Optional  
**Level:** Heading  
**Usage:** Optional  
**Max Use:** 1  
**Purpose:** To identify the party receiving the empty car  
**Syntax Notes:** 1 If either E102 or E103 is present, then the other is required.  
**Semantic Notes:**  
**Comments:**

### Data Element Summary

	<u>Ref.</u>	<u>Data</u>	<u>Attributes</u>
	<u>Des.</u>	<u>Element</u> <u>Name</u>	
Must Use	E101	459 Name (30 Character Format)	M AN 2/30
		Free-form organization name or official title as it should appear for mailing address	
Not Used	E102	66 Identification Code Qualifier	X ID 1/2
		Code designating the system/method of code structure used for Identification Code (67)	
		Refer to 003050 Data Element Dictionary for acceptable code values.	
Not Used	E103	67 Identification Code	X AN 2/20
		Code identifying a party or other code	

**Segment:** **E4** Empty Car Disposition - Pended Destination City  
**Position:** 230  
**Loop:** E1 Optional  
**Level:** Heading  
**Usage:** Optional  
**Max Use:** 1  
**Purpose:** To specify the geographic place of named party receiving the empty car  
**Syntax Notes:**  
**Semantic Notes:**  
**Comments:**

#### Data Element Summary

	<b>Ref.</b>	<b>Data</b>	<b>Attributes</b>
	<b><u>Des.</u></b>	<b><u>Element</u> <u>Name</u></b>	
<b>Must Use</b>	<b>E401</b>	<b>19 City Name</b> Free-form text for city name	<b>M AN 2/30</b>
<b>Must Use</b>	<b>E402</b>	<b>156 State or Province Code</b> Code (Standard State/Province) as defined by appropriate government agency	<b>M ID 2/2</b>
<b>Not Used</b>	<b>E403</b>	<b>116 Postal Code</b> Code defining international postal zone code excluding punctuation and blanks (zip code for United States)	<b>O ID 3/11</b>
<b>Not Used</b>	<b>E404</b>	<b>26 Country Code</b> Code identifying the country	<b>O ID 2/3</b>

**Segment:** **E5** Empty Car Disposition - Pended Destination Route  
**Position:** 240  
**Loop:** E1 Optional  
**Level:** Heading  
**Usage:** Optional  
**Max Use:** 13  
**Purpose:** To specify the routing of the empty car  
**Syntax Notes:**  
**Semantic Notes:**  
**Comments:**

#### Data Element Summary

	<u>Ref.</u>	<u>Data</u>	<u>Attributes</u>
	<u>Des.</u>	<u>Element</u> <u>Name</u>	
Must Use	E501	140 <b>Standard Carrier Alpha Code</b>	M ID 2/4
		Standard Carrier Alpha Code	
Must Use	E502	133 <b>Routing Sequence Code</b>	M ID 1/2
		Code describing the relationship of a carrier to a specific shipment movement	
		Refer to 003050 Data Element Dictionary for acceptable code values.	
Not Used	E503	19 <b>City Name</b>	O AN 2/30
		Free-form text for city name	
Not Used	E504	154 <b>Standard Point Location Code</b>	O ID 6/9
		Code (Standard Point Location) defined by NMFTA point development group as the official code assigned to a city or point (for ratemaking purposes) within a city	

**Segment:** **L7** **Tariff Reference**  
**Position:** 270  
**Loop:**  
**Level:** Heading  
**Usage:** Optional  
**Max Use:** 30  
**Purpose:** To reference details of the tariff used to arrive at applicable rates or charge  
**Syntax Notes:**  
**Semantic Notes:**

- 1 L710 is the effective date.
- 2 In L715 and L716, "City" and "State" are used for rate combination city and state.

**Comments:**

**Data Element Summary**

	<b>Ref.</b>	<b>Data</b>	<b>Name</b>	<b>Attributes</b>
	<b>Des.</b>	<b>Element</b>		
Not Used	L701	213	<b>Lading Line Item Number</b> Sequential line number for a lading item	O N0 1/3
Not Used	L702	168	<b>Tariff Agency Code</b> Code defining the tariff bureau or tariff publishing agent that governs the rates applied to this shipment	O ID 1/4
Not Used	L703	171	<b>Tariff Number</b> Standard tariff number for the tariff which governs the rates applied to the commodity item(s)	O AN 1/7
Not Used	L704	172	<b>Tariff Section</b> Number used as an extension of the basic tariff number to identify the rates published within specific sections of the tariff	O AN 1/2
Not Used	L705	169	<b>Tariff Item Number</b> Number assigned in the tariff to specific rate or group of rates that applies to one or more items in the shipment	O AN 1/16
Not Used	L706	170	<b>Tariff Item Part</b> Number assigned to subsection of a specific tariff item (arbitrary)	O N0 1/2
Not Used	L707	59	<b>Freight Class Code</b> Code indicating generalized classification that applies to one or more items in the shipment, i.e., class 70, 77.5, etc.	O AN 2/5
Not Used	L708	173	<b>Tariff Supplement Identifier</b> Identifier for the tariff supplement which contains the rate used	O AN 1/4
Not Used	L709	46	<b>Ex Parte</b> Level of rates as published in the tariff	O AN 4/4
Not Used	L710	373	<b>Date</b> Date (YYMMDD)	O DT 6/6
Not Used	L711	119	<b>Rate Basis Number</b>	O AN 1/6



Not Used	L712	227	<p>The (mileage) factor published for rating purposes in the appropriate tariff</p> <p><b>Tariff Column</b></p> <p>A tariff commodity classification that is used, as a means of control, for grouping of commodities in tariff applications</p>	O	AN 1/2
	L713	294	<p><b>Tariff Distance</b></p> <p>Distance on which the rate for a shipment is based</p>	O	N0 1/5
	L714	295	<p><b>Distance Qualifier</b></p> <p>Code identifying the distance unit</p> <p>T                      Tariff Miles</p>	O	ID 1/1
Not Used	L715	19	<p><b>City Name</b></p> <p>Free-form text for city name</p>	O	AN 2/30
Not Used	L716	156	<p><b>State or Province Code</b></p> <p>Code (Standard State/Province) as defined by appropriate government agency</p>	O	ID 2/2

**Segment:** **NTE** **Note/Special Instruction**  
**Position:** 280  
**Loop:**  
**Level:** Heading  
**Usage:** Optional  
**Max Use:** 30  
**Purpose:** To transmit information in a free-form format, if necessary, for comment or special instruction

**Syntax Notes:****Semantic Notes:**

**Comments:** 1 The NTE segment permits free-form information/data which, under ANSI X12 standard implementations, is not machine processable. The use of the NTE segment should therefore be avoided, if at all possible, in an automated environment.

**Data Element Summary**

<b>Ref.</b>	<b>Data</b>	<b>Name</b>	<b>Attributes</b>
<b><u>Des.</u></b>	<b><u>Element</u></b>		
<b>NTE01</b>	<b>363</b>	<b>Note Reference Code</b>	<b>O ID 3/3</b>
		Code identifying the functional area or purpose for which the note applies	
		APS	Appropriation Specifications
			Multiformatted data that describes government accounting classification information used to process the payment information for services provided to the Government
		CHG	Change
		CLR	Security Clearance Instructions
			Used to describe the level of security clearance required for individuals viewing information
		INT	General Order Instructions
		LOI	Loading Instructions
		PAY	Payables
<b>Must Use</b>	<b>NTE02</b>	<b>352</b>	<b>Description</b>
			<b>M AN 1/80</b>
		A free-form description to clarify the related data elements and their content	

**Segment:** **N7 Equipment Details**  
**Position:** 330  
**Loop:** N7 Optional  
**Level:** Heading  
**Usage:** Optional  
**Max Use:** 1  
**Purpose:** To identify the equipment  
**Syntax Notes:** 1 If N703 is present, then N704 is required.  
 2 If either N705 or N716 is present, then the other is required.  
 3 If either N708 or N709 is present, then the other is required.  
**Semantic Notes:** 1 N712 is the owner of the equipment.  
 2 N723 is the operator or carrier of the rights of the equipment.  
**Comments:** 1 N701 is mandatory for rail transactions.  
 2 N720 and N721 are expressed in inches.

**Data Element Summary**

	<u>Ref.</u>	<u>Data</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
	<b>N701</b>	<b>206</b>	<b>Equipment Initial</b>		<b>O AN 1/4</b>
			Prefix or alphabetic part of an equipment unit's identifying number		
<b>Must Use</b>	<b>N702</b>	<b>207</b>	<b>Equipment Number</b>		<b>M AN 1/10</b>
			Sequencing or serial part of an equipment unit's identifying number (pure numeric form for equipment number is preferred)		
	<b>N703</b>	<b>81</b>	<b>Weight</b>		<b>O R 1/10</b>
			Numeric value of weight		
	<b>N704</b>	<b>187</b>	<b>Weight Qualifier</b>		<b>X ID 1/2</b>
			Code defining the type of weight		
			N	Actual Net Weight	
<b>Not Used</b>	<b>N705</b>	<b>167</b>	<b>Tare Weight</b>		<b>X N0 3/8</b>
			Weight of the equipment		
<b>Not Used</b>	<b>N706</b>	<b>232</b>	<b>Weight Allowance</b>		<b>O N0 2/6</b>
			Allowance made for increased weight due to such factors as snow		
<b>Not Used</b>	<b>N707</b>	<b>205</b>	<b>Dunnage</b>		<b>O N0 1/6</b>
			Weight of material used to protect lading (even bracings, false floors, etc.)		
	<b>N708</b>	<b>183</b>	<b>Volume</b>		<b>X R 1/8</b>
			Value of volumetric measure		
	<b>N709</b>	<b>184</b>	<b>Volume Unit Qualifier</b>		<b>X ID 1/1</b>
			Code identifying the volume unit		
			E	Cubic Feet	
<b>Not Used</b>	<b>N710</b>	<b>102</b>	<b>Ownership Code</b>		<b>O ID 1/1</b>
			Code indicating the relationship of equipment to carrier or ownership of equipment		

			Refer to 003050 Data Element Dictionary for acceptable code values.	
Not Used	N711	40	<b>Equipment Description Code</b>	O ID 2/2
			Code identifying type of equipment used for shipment	
			Refer to 003050 Data Element Dictionary for acceptable code values.	
Not Used	N712	140	<b>Standard Carrier Alpha Code</b>	O ID 2/4
			Standard Carrier Alpha Code	
	N713	319	<b>Temperature Control</b>	O AN 3/6
			Free-form abbreviation of temperature range or flash-point temperature	
Not Used	N714	219	<b>Position</b>	O AN 1/3
			Relative position of shipment in car, trailer, or container (mutually defined)	
	N715	567	<b>Equipment Length</b>	O N0 4/5
			Length (in feet and inches) of equipment ordered or used to transport shipment (The format is FFFII where FFF is feet and II is inches; the range for II is 00 through 11)	
Not Used	N716	571	<b>Tare Qualifier Code</b>	X ID 1/1
			Code identifying the type of tare	
			Refer to 003050 Data Element Dictionary for acceptable code values.	
Not Used	N717	188	<b>Weight Unit Code</b>	O ID 1/1
			Code specifying the weight unit	
			Refer to 003050 Data Element Dictionary for acceptable code values.	
Not Used	N718	761	<b>Equipment Number Check Digit</b>	O N0 1/1
			Number which designates the check digit applied to a piece of equipment	
Not Used	N719	56	<b>Type of Service Code</b>	O ID 2/2
			Code specifying extent of transportation service requested	
			Refer to 003050 Data Element Dictionary for acceptable code values.	
Not Used	N720	65	<b>Height</b>	O R 1/8
			Vertical dimension of an object measured when the object is in the upright position	
Not Used	N721	189	<b>Width</b>	O R 1/8
			Shorter measurement of the two horizontal dimensions measured with the object in the upright position	
	N722	24	<b>Equipment Type</b>	O ID 4/4
			Code identifying equipment type	
Not Used	N723	140	<b>Standard Carrier Alpha Code</b>	O ID 2/4
			Standard Carrier Alpha Code	
Not Used	N724	301	<b>Car Type Code</b>	O ID 1/4
			Code maintained by AAR to identify a type of rail car or intermodal equipment type and its general physical characteristics; when using fewer than four characters, the value must include all of the leading or high order characters	

**Segment:** **NA** **Cross-Reference Equipment**

**Position:** 335

**Loop:** N7 Optional

**Level:** Heading

**Usage:** Optional

**Max Use:** 30

**Purpose:** To cross-reference additional equipment to a primary piece of equipment

**Syntax Notes:** 1 If NA01 is present, then NA02 is required.

**Semantic Notes:** 1 NA07 is the owner's SCAC code.

**Comments:** 1 NA03 will contain the equipment initial of an associated shipment and is required by Rail. If unknown, use NONZ for van or NONU for container.  
 2 NA04 will contain the equipment number of an associated shipment  
 3 NA09 is the SCAC code of the operator of the equipment.

**Data Element Summary**

	<b>Ref.</b>	<b>Data</b>	<b>Name</b>	<b>Attributes</b>
	<b>Des.</b>	<b>Element</b>		
Not Used	NA01	128	<b>Reference Number Qualifier</b>	<b>O ID 2/2</b>
			Code qualifying the Reference Number.	
			Refer to 003050 Data Element Dictionary for acceptable code values.	
Not Used	NA02	127	<b>Reference Number</b>	<b>X AN 1/30</b>
			Reference number or identification number as defined for a particular Transaction Set, or as specified by the Reference Number Qualifier.	
Must Use	NA03	206	<b>Equipment Initial</b>	<b>M AN 1/4</b>
			Prefix or alphabetic part of an equipment unit's identifying number	
Must Use	NA04	207	<b>Equipment Number</b>	<b>M AN 1/10</b>
			Sequencing or serial part of an equipment unit's identifying number (pure numeric form for equipment number is preferred)	
	NA05	231	<b>Cross Reference Type Code</b>	<b>O ID 1/1</b>
			Code defining relationship of equipment to equipment cross-referenced	
			A Additional Equipment for Manifest Billing	
			L Lead Car	
Not Used	NA06	219	<b>Position</b>	<b>O AN 1/3</b>
			Relative position of shipment in car, trailer, or container (mutually defined)	
Not Used	NA07	140	<b>Standard Carrier Alpha Code</b>	<b>O ID 2/4</b>
			Standard Carrier Alpha Code	
Not Used	NA08	567	<b>Equipment Length</b>	<b>O N0 4/5</b>
			Length (in feet and inches) of equipment ordered or used to transport shipment (The format is FFFII where FFF is feet and II is inches; the range for II is 00 through 11)	
Not Used	NA09	140	<b>Standard Carrier Alpha Code</b>	<b>O ID 2/4</b>
			Standard Carrier Alpha Code	

<b>Not Used</b>	<b>NA10</b>	<b>845</b>	<b>Chassis Type</b>	<b>O</b>	<b>ID 2/2</b>
Code identifying type of chassis					
Refer to 003050 Data Element Dictionary for acceptable code values.					

**Segment:** **M7** Seal Numbers  
**Position:** 340  
**Loop:** N7 Optional  
**Level:** Heading  
**Usage:** Optional  
**Max Use:** 5  
**Purpose:** To record seal numbers used and the organization that applied the seals  
**Syntax Notes:**  
**Semantic Notes:**  
**Comments:** 1 M705 indicates the name of the organization who applied the seal(s)

#### Data Element Summary

	Ref.	Data		Attributes
	<u>Des.</u>	<u>Element</u>	<u>Name</u>	
Must Use	M701	225	Seal Number	M AN 2/15
			Unique number on seal used to close a shipment	
	M702	225	Seal Number	O AN 2/15
			Unique number on seal used to close a shipment	
	M703	225	Seal Number	O AN 2/15
			Unique number on seal used to close a shipment	
	M704	225	Seal Number	O AN 2/15
			Unique number on seal used to close a shipment	
	M705	98	Entity Identifier Code	O ID 2/2
			Code identifying an organizational entity, a physical location, or an individual	
			CA Carrier	
			SH Shipper	

**Segment:** **N5 Equipment Ordered**  
**Position:** 350  
**Loop:** N7 Optional  
**Level:** Heading  
**Usage:** Optional  
**Max Use:** 1  
**Purpose:** To specify carrier equipment  
**Syntax Notes:** 1 If either N507 or N508 is present, then the other is required.  
**Semantic Notes:**  
**Comments:** 1 N506 is expressed in inches.

**Data Element Summary**

<b>Ref.</b>	<b>Data</b>	<b>Name</b>	<b>Attributes</b>
<b>Des.</b>	<b>Element</b>		
<b>N501</b>	<b>567</b>	<b>Equipment Length</b>	<b>O N0 4/5</b>
		Length (in feet and inches) of equipment ordered or used to transport shipment (The format is FFFII where FFF is feet and II is inches; the range for II is 00 through 11)	
<b>N502</b>	<b>233</b>	<b>Weight Capacity</b>	<b>O N0 2/3</b>
		Capacity of car ordered (stated in 1000 pound units or 1000 kilogram units)	
<b>N503</b>	<b>203</b>	<b>Cubic Capacity</b>	<b>O N0 2/4</b>
		Capacity of car ordered (cubic feet unless otherwise specified)	
<b>N504</b>	<b>301</b>	<b>Car Type Code</b>	<b>O ID 1/4</b>
		Code maintained by AAR to identify a type of rail car or intermodal equipment type and its general physical characteristics; when using fewer than four characters, the value must include all of the leading or high order characters	
<b>Not Used</b>	<b>N505</b>	<b>Metric Qualifier</b>	<b>O ID 1/1</b>
		Code used to indicate that measurements are given in metric units Refer to 003050 Data Element Dictionary for acceptable code values.	
<b>Not Used</b>	<b>N506</b>	<b>Height</b>	<b>O R 1/8</b>
		Vertical dimension of an object measured when the object is in the upright position	
<b>Not Used</b>	<b>N507</b>	<b>Lading Percentage</b>	<b>X N2 2/4</b>
		Commodity percentage for rating	
<b>Not Used</b>	<b>N508</b>	<b>Lading Percent Qualifier</b>	<b>X ID 1/1</b>
		Code identifying type of lading percentage Refer to 003050 Data Element Dictionary for acceptable code values.	
<b>Not Used</b>	<b>N509</b>	<b>Equipment Description Code</b>	<b>O ID 2/2</b>
		Code identifying type of equipment used for shipment Refer to 003050 Data Element Dictionary for acceptable code values.	



**Segment:** **REF** **Reference Numbers**  
**Position:** 360  
**Loop:** N7 Optional  
**Level:** Heading  
**Usage:** Optional  
**Max Use:** 5  
**Purpose:** To specify identifying numbers.  
**Syntax Notes:** 1 At least one of REF02 or REF03 is required.  
**Semantic Notes:**  
**Comments:**

<b>Data Element Summary</b>				
	<b>Ref.</b>	<b>Data</b>		
	<b><u>Des.</u></b>	<b><u>Element</u></b>	<b><u>Name</u></b>	<b><u>Attributes</u></b>
<b>Must Use</b>	<b>REF01</b>	<b>128</b>	<b>Reference Number Qualifier</b>	<b>M ID 2/2</b>
			Code qualifying the Reference Number.	
			EQ Equipment Number	
	<b>REF02</b>	<b>127</b>	<b>Reference Number</b>	<b>X AN 1/30</b>
			Reference number or identification number as defined for a particular Transaction Set, or as specified by the Reference Number Qualifier.	
<b>Not Used</b>	<b>REF03</b>	<b>352</b>	<b>Description</b>	<b>X AN 1/80</b>
			A free-form description to clarify the related data elements and their content	

**Segment:** **N1** Name

**Position:** 390

**Loop:** N1 Optional

**Level:** Heading

**Usage:** Optional

**Max Use:** 1

**Purpose:** To identify a party by type of organization, name, and code

**Syntax Notes:**

- 1** At least one of N102 or N103 is required.
- 2** If either N103 or N104 is present, then the other is required.

**Semantic Notes:**

**Comments:**

- 1** This segment, used alone, provides the most efficient method of providing organizational identification. To obtain this efficiency the "ID Code" (N104) must provide a key to the table maintained by the transaction processing party.
- 2** N105 and N106 further define the type of entity in N101.

**Data Element Summary**

<b>Ref.</b>	<b>Data</b>	<b>Name</b>	<b>Attributes</b>
<b>Des.</b>	<b>Element</b>		
<b>Must Use</b>	<b>N101</b>	<b>98 Entity Identifier Code</b>	<b>M ID 2/2</b>
		Code identifying an organizational entity, a physical location, or an individual	
		CA Carrier	
		CN Consignee	
		IU Issuer	
		KX Free on Board Point	
		PO Party to Receive Invoice for Goods or Services	
		SF Ship From	
		SH Shipper	
		ST Ship To	
		T4 Transfer Point	
		A geographic location where a shipment is transferred or diverted to a new destination	
		T5 Transfer To	
		A geographic location where a transferred or diverted shipment is to be delivered	
		UC Ultimate Consignee	
<b>N102</b>	<b>93</b>	<b>Name</b>	<b>X AN 1/35</b>
		Free-form name	
<b>N103</b>	<b>66</b>	<b>Identification Code Qualifier</b>	<b>X ID 1/2</b>
		Code designating the system/method of code structure used for Identification Code (67)	
		10 Department of Defense Activity Address Code (DODAAC)	

33 Commercial and Government Entity (CAGE)  
 A2 Military Assistance Program Address Code (MAPAC)  
 Contained in the Military Assistance Program  
 Address Directory (MAPAD); represents the  
 location of an entity

	<b>N104</b>	<b>67</b>	<b>Identification Code</b>	<b>X</b>	<b>AN 2/20</b>
			Code identifying a party or other code		
<b>Not Used</b>	<b>N105</b>	<b>706</b>	<b>Entity Relationship Code</b>	<b>O</b>	<b>ID 2/2</b>
			Code describing entity relationship		
			Refer to 003050 Data Element Dictionary for acceptable code values.		
<b>Not Used</b>	<b>N106</b>	<b>98</b>	<b>Entity Identifier Code</b>	<b>O</b>	<b>ID 2/2</b>
			Code identifying an organizational entity, a physical location, or an individual		
			Refer to 003050 Data Element Dictionary for acceptable code values.		

**Segment: N2 Additional Name Information****Position:** 400**Loop:** N1 Optional**Level:** Heading**Usage:** Optional**Max Use:** 2**Purpose:** To specify additional names or those longer than 35 characters in length**Syntax Notes:****Semantic Notes:****Comments:****Data Element Summary**

	<b>Ref.</b>	<b>Data</b>		<b>Attributes</b>
	<b><u>Des.</u></b>	<b><u>Element</u></b>	<b><u>Name</u></b>	
<b>Must Use</b>	<b>N201</b>	<b>93</b>	<b>Name</b>	<b>M AN 1/35</b>
			Free-form name	
<b>Not Used</b>	<b>N202</b>	<b>93</b>	<b>Name</b>	<b>O AN 1/35</b>
			Free-form name	

**Segment:** **N3** Address Information  
**Position:** 410  
**Loop:** N1 Optional  
**Level:** Heading  
**Usage:** Optional  
**Max Use:** 2  
**Purpose:** To specify the location of the named party  
**Syntax Notes:**  
**Semantic Notes:**  
**Comments:**

Data Element Summary				
	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	N301	166	Address Information Address information	M AN 1/35
Not Used	N302	166	Address Information Address information	O AN 1/35

**Segment:** **N4 Geographic Location**  
**Position:** 420  
**Loop:** N1 Optional  
**Level:** Heading  
**Usage:** Optional  
**Max Use:** 1  
**Purpose:** To specify the geographic place of the named party  
**Syntax Notes:** 1 If N406 is present, then N405 is required.  
**Semantic Notes:**  
**Comments:** 1 A combination of either N401 through N404, or N405 and N406 may be adequate to specify a location.  
 2 N402 is required only if city name (N401) is in the USA or Canada.

**Data Element Summary**

<b>Ref.</b>	<b>Data</b>	<b>Attributes</b>
<b>Des.</b>	<b>Element Name</b>	
<b>N401</b>	<b>19 City Name</b> Free-form text for city name	<b>O AN 2/30</b>
<b>N402</b>	<b>156 State or Province Code</b> Code (Standard State/Province) as defined by appropriate government agency	<b>O ID 2/2</b>
<b>N403</b>	<b>116 Postal Code</b> Code defining international postal zone code excluding punctuation and blanks (zip code for United States)	<b>O ID 3/11</b>
<b>N404</b>	<b>26 Country Code</b> Code identifying the country	<b>O ID 2/3</b>
<b>N405</b>	<b>309 Location Qualifier</b> Code identifying type of location	<b>X ID 1/2</b>
	BL Government Bill of Lading Office Code (GBLOC) Qualifies a code that identifies the location of a government office authorized to process transportation bills of lading	
	SL U.S. SPLC	
<b>N406</b>	<b>310 Location Identifier</b> Code which identifies a specific location	<b>O AN 1/30</b>

**Segment:** **PER** **Administrative Communications Contact**  
**Position:** 440  
**Loop:** N1 Optional  
**Level:** Heading  
**Usage:** Optional  
**Max Use:** 3  
**Purpose:** To identify a person or office to whom administrative communications should be directed

**Syntax Notes:**  
**1** If either PER03 or PER04 is present, then the other is required.  
**2** If either PER05 or PER06 is present, then the other is required.  
**3** If either PER07 or PER08 is present, then the other is required.

**Semantic Notes:**  
**Comments:**

Data Element Summary				
	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	PER01	366	<b>Contact Function Code</b> Code identifying the major duty or responsibility of the person or group named EM Emergency Contact IO Issuing Officer	<b>M ID 2/2</b>
	PER02	93	<b>Name</b> Free-form name	<b>O AN 1/35</b>
	PER03	365	<b>Communication Number Qualifier</b> Code identifying the type of communication number AU Defense Switched Network Department of Defense telecommunications system and successor of the Automatic Voice Network (AUTOVON) TE Telephone	<b>X ID 2/2</b>
	PER04	364	<b>Communication Number</b> Complete communications number including country or area code when applicable	<b>X AN 1/80</b>
Not Used	PER05	365	<b>Communication Number Qualifier</b> Code identifying the type of communication number Refer to 003050 Data Element Dictionary for acceptable code values.	<b>X ID 2/2</b>
Not Used	PER06	364	<b>Communication Number</b> Complete communications number including country or area code when applicable	<b>X AN 1/80</b>
Not Used	PER07	365	<b>Communication Number Qualifier</b> Code identifying the type of communication number	<b>X ID 2/2</b>

			Refer to 003050 Data Element Dictionary for acceptable code values.	
<b>Not Used</b>	<b>PER08</b>	<b>364</b>	<b>Communication Number</b>	<b>X AN 1/80</b>
			Complete communications number including country or area code when applicable	
<b>Not Used</b>	<b>PER09</b>	<b>443</b>	<b>Contact Inquiry Reference</b>	<b>O AN 1/20</b>
			Additional reference number or description to clarify a contact number	



**Segment:** **S5** Stop Off Details  
**Position:** 450  
**Loop:** S5 Optional  
**Level:** Heading  
**Usage:** Optional  
**Max Use:** 1  
**Purpose:** To specify stop-off details in terms of weight, quantity and volume  
**Syntax Notes:**

- 1 If either S503 or S504 is present, then the other is required.
- 2 If either S505 or S506 is present, then the other is required.
- 3 If either S507 or S508 is present, then the other is required.

**Semantic Notes:**

- 1 S509 is the stop reason description.

**Comments:**

## Data Element Summary

	<u>Ref.</u>	<u>Data</u>	<u>Attributes</u>
	<u>Des.</u>	<u>Element</u> <u>Name</u>	
Must Use	S501	165 Stop Sequence Number	M N0 1/2
		Identifying number for the specific stop and the sequence in which the stop is to be performed	
Must Use	S502	163 Stop Reason Code	M ID 2/2
		Code specifying the reason for the stop	
		LD Load	
		UL Unload	
Not Used	S503	81 Weight	X R 1/10
		Numeric value of weight	
Not Used	S504	188 Weight Unit Code	X ID 1/1
		Code specifying the weight unit	
		Refer to 003050 Data Element Dictionary for acceptable code values.	
Not Used	S505	382 Number of Units Shipped	X R 1/10
		Numeric value of units shipped in manufacturer's shipping units for a line item or transaction set	
Not Used	S506	355 Unit or Basis for Measurement Code	X ID 2/2
		Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken	
		Refer to 003050 Data Element Dictionary for acceptable code values.	
Not Used	S507	183 Volume	X R 1/8
		Value of volumetric measure	
Not Used	S508	184 Volume Unit Qualifier	X ID 1/1
		Code identifying the volume unit	
		Refer to 003050 Data Element Dictionary for acceptable code values.	
Not Used	S509	352 Description	O AN 1/80
		A free-form description to clarify the related data elements and their	

content			
<b>S510</b>	<b>154</b>	<b>Standard Point Location Code</b>	<b>O ID 6/9</b>
Code (Standard Point Location) defined by NMFTA point development group as the official code assigned to a city or point (for ratemaking purposes) within a city			
<b>S511</b>	<b>190</b>	<b>Accomplish Code</b>	<b>O ID 1/1</b>
Code indicating the status of a specified stop			
A Accomplished			
P Pending			

**Segment:** **G62** **Date/Time**

**Position:** 460

**Loop:** S5 Optional

**Level:** Heading

**Usage:** Optional

**Max Use:** 6

**Purpose:** To specify pertinent dates and times

**Syntax Notes:**

- 1 At least one of G6201 or G6203 is required.
- 2 If either G6201 or G6202 is present, then the other is required.
- 3 If either G6203 or G6204 is present, then the other is required.

**Semantic Notes:**

**Comments:**

#### Data Element Summary

Ref.	Data		
<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
<b>G6201</b>	<b>432</b>	<b>Date Qualifier</b>	<b>X ID 2/2</b>
		Code specifying type of date	
		69 Scheduled Pick-Up Date	
		70 Scheduled Delivery Date	
<b>G6202</b>	<b>373</b>	<b>Date</b>	<b>X DT 6/6</b>
		Date (YYMMDD)	
<b>G6203</b>	<b>176</b>	<b>Time Qualifier</b>	<b>X ID 1/2</b>
		Code specifying the reported time	
		8 Actual Pickup Time	
		9 Actual Delivery Time	
		A Actual Departure Time	
<b>G6204</b>	<b>337</b>	<b>Time</b>	<b>X TM 4/8</b>
		Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99)	
<b>Not Used</b>	<b>G6205</b>	<b>623 Time Code</b>	<b>O ID 2/2</b>
		Code identifying the time. In accordance with International Standards Organization standard 8601, time can be specified by a + or - and an indication in hours in relation to Universal Time Coordinate (UTC) time; since + is a restricted character, + and - are substituted by P and M in the codes that follow	
		Refer to 003050 Data Element Dictionary for acceptable code values.	
<b>G6206</b>	<b>624</b>	<b>Century</b>	<b>O N0 2/2</b>
		The first two characters in the designation of the year (CCYY)	

**Segment:** **N1** Name

**Position:** 490

**Loop:** N1 Optional

**Level:** Heading

**Usage:** Optional

**Max Use:** 1

**Purpose:** To identify a party by type of organization, name, and code

**Syntax Notes:**

- 1 At least one of N102 or N103 is required.
- 2 If either N103 or N104 is present, then the other is required.

**Semantic Notes:**

**Comments:**

- 1 This segment, used alone, provides the most efficient method of providing organizational identification. To obtain this efficiency the "ID Code" (N104) must provide a key to the table maintained by the transaction processing party.
- 2 N105 and N106 further define the type of entity in N101.

**Data Element Summary**

	<b>Ref.</b>	<b>Data</b>	<b>Name</b>	<b>Attributes</b>
	<b><u>Des.</u></b>	<b><u>Element</u></b>		
<b>Must Use</b>	<b>N101</b>	<b>98</b>	<b>Entity Identifier Code</b>	<b>M ID 2/2</b>
			Code identifying an organizational entity, a physical location, or an individual	
			LP Loading Party	
			UP Unloading Party	
	<b>N102</b>	<b>93</b>	<b>Name</b>	<b>X AN 1/35</b>
			Free-form name	
	<b>N103</b>	<b>66</b>	<b>Identification Code Qualifier</b>	<b>X ID 1/2</b>
			Code designating the system/method of code structure used for Identification Code (67)	
		10	Department of Defense Activity Address Code (DODAAC)	
		33	Commercial and Government Entity (CAGE)	
		A2	Military Assistance Program Address Code (MAPAC)	
			Contained in the Military Assistance Program Address Directory (MAPAD); represents the location of an entity	
	<b>N104</b>	<b>67</b>	<b>Identification Code</b>	<b>X AN 2/20</b>
			Code identifying a party or other code	
<b>Not Used</b>	<b>N105</b>	<b>706</b>	<b>Entity Relationship Code</b>	<b>O ID 2/2</b>
			Code describing entity relationship	
			Refer to 003050 Data Element Dictionary for acceptable code values.	
<b>Not Used</b>	<b>N106</b>	<b>98</b>	<b>Entity Identifier Code</b>	<b>O ID 2/2</b>
			Code identifying an organizational entity, a physical location, or an individual	

Refer to 003050 Data Element Dictionary for acceptable code values.

**Segment:** **N2** Additional Name Information  
**Position:** 500  
**Loop:** N1 Optional  
**Level:** Heading  
**Usage:** Optional  
**Max Use:** 2  
**Purpose:** To specify additional names or those longer than 35 characters in length  
**Syntax Notes:**  
**Semantic Notes:**  
**Comments:**

**Data Element Summary**

	<b>Ref.</b>	<b>Data</b>	<b>Attributes</b>
	<b><u>Des.</u></b>	<b><u>Element</u> <u>Name</u></b>	
<b>Must Use</b>	<b>N201</b>	<b>93 Name</b> Free-form name	<b>M AN 1/35</b>
<b>Not Used</b>	<b>N202</b>	<b>93 Name</b> Free-form name	<b>O AN 1/35</b>

**Segment:** **N3** Address Information  
**Position:** 510  
**Loop:** N1 Optional  
**Level:** Heading  
**Usage:** Optional  
**Max Use:** 2  
**Purpose:** To specify the location of the named party  
**Syntax Notes:**  
**Semantic Notes:**  
**Comments:**

**Data Element Summary**

	<b>Ref.</b>	<b>Data</b>		<b>Attributes</b>
	<b><u>Des.</u></b>	<b><u>Element</u></b>	<b><u>Name</u></b>	
<b>Must Use</b>	<b>N301</b>	<b>166</b>	<b>Address Information</b> Address information	<b>M AN 1/35</b>
<b>Not Used</b>	<b>N302</b>	<b>166</b>	<b>Address Information</b> Address information	<b>O AN 1/35</b>

**Segment:** **N4 Geographic Location**  
**Position:** 520  
**Loop:** N1 Optional  
**Level:** Heading  
**Usage:** Optional  
**Max Use:** 1  
**Purpose:** To specify the geographic place of the named party  
**Syntax Notes:** 1 If N406 is present, then N405 is required.  
**Semantic Notes:**  
**Comments:** 1 A combination of either N401 through N404, or N405 and N406 may be adequate to specify a location.  
 2 N402 is required only if city name (N401) is in the USA or Canada.

**Data Element Summary**

<b>Ref.</b>	<b>Data</b>	<b>Name</b>	<b>Attributes</b>
<b><u>Des.</u></b>	<b><u>Element</u></b>		
<b>N401</b>	<b>19</b>	<b>City Name</b> Free-form text for city name	<b>O AN 2/30</b>
<b>N402</b>	<b>156</b>	<b>State or Province Code</b> Code (Standard State/Province) as defined by appropriate government agency	<b>O ID 2/2</b>
<b>N403</b>	<b>116</b>	<b>Postal Code</b> Code defining international postal zone code excluding punctuation and blanks (zip code for United States)	<b>O ID 3/11</b>
<b>N404</b>	<b>26</b>	<b>Country Code</b> Code identifying the country	<b>O ID 2/3</b>
<b>Not Used</b>	<b>N405</b>	<b>309</b> <b>Location Qualifier</b> Code identifying type of location Refer to 003050 Data Element Dictionary for acceptable code values.	<b>X ID 1/2</b>
<b>Not Used</b>	<b>N406</b>	<b>310</b> <b>Location Identifier</b> Code which identifies a specific location	<b>O AN 1/30</b>



**Segment:** **PER** **Administrative Communications Contact**  
**Position:** 540  
**Loop:** N1 Optional  
**Level:** Heading  
**Usage:** Optional  
**Max Use:** 3  
**Purpose:** To identify a person or office to whom administrative communications should be directed

**Syntax Notes:**

- 1 If either PER03 or PER04 is present, then the other is required.
- 2 If either PER05 or PER06 is present, then the other is required.
- 3 If either PER07 or PER08 is present, then the other is required.

**Semantic Notes:**  
**Comments:**

#### Data Element Summary

	<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
	<u>Des.</u>	<u>Element</u>		
Must Use	PER01	366	<b>Contact Function Code</b>	<b>M ID 2/2</b>
			Code identifying the major duty or responsibility of the person or group named	
			IC Information Contact	
Not Used	PER02	93	<b>Name</b>	<b>O AN 1/35</b>
			Free-form name	
	PER03	365	<b>Communication Number Qualifier</b>	<b>X ID 2/2</b>
			Code identifying the type of communication number	
			IT International Telephone	
			TE Telephone	
	PER04	364	<b>Communication Number</b>	<b>X AN 1/80</b>
			Complete communications number including country or area code when applicable	
Not Used	PER05	365	<b>Communication Number Qualifier</b>	<b>X ID 2/2</b>
			Code identifying the type of communication number	
			Refer to 003050 Data Element Dictionary for acceptable code values.	
Not Used	PER06	364	<b>Communication Number</b>	<b>X AN 1/80</b>
			Complete communications number including country or area code when applicable	
Not Used	PER07	365	<b>Communication Number Qualifier</b>	<b>X ID 2/2</b>
			Code identifying the type of communication number	
			Refer to 003050 Data Element Dictionary for acceptable code values.	
Not Used	PER08	364	<b>Communication Number</b>	<b>X AN 1/80</b>
			Complete communications number including country or area code when applicable	

<b>Not Used</b>	<b>PER09</b>	<b>443</b>	<b>Contact Inquiry Reference</b>	<b>O AN 1/20</b>
Additional reference number or description to clarify a contact number				

**Segment:** **LX** **Assigned Number**  
**Position:** 010  
**Loop:** LX Mandatory  
**Level:** Detail  
**Usage:** Mandatory  
**Max Use:** 1  
**Purpose:** To reference a line number in a transaction set  
**Syntax Notes:**  
**Semantic Notes:**  
**Comments:**

<b>Data Element Summary</b>			
	<b>Ref.</b>	<b>Data</b>	
	<b><u>Des.</u></b>	<b><u>Element</u></b> <b><u>Name</u></b>	<b><u>Attributes</u></b>
<b>Must Use</b>	<b>LX01</b>	<b>554</b> <b>Assigned Number</b>	<b>M N0 1/6</b>
		Number assigned for differentiation within a transaction set	

**Segment:** **N7 Equipment Details**  
**Position:** 020  
**Loop:** LX Mandatory  
**Level:** Detail  
**Usage:** Optional  
**Max Use:** 1  
**Purpose:** To identify the equipment  
**Syntax Notes:** 1 If N703 is present, then N704 is required.  
 2 If either N705 or N716 is present, then the other is required.  
 3 If either N708 or N709 is present, then the other is required.  
**Semantic Notes:** 1 N712 is the owner of the equipment.  
 2 N723 is the operator or carrier of the rights of the equipment.  
**Comments:** 1 N701 is mandatory for rail transactions.  
 2 N720 and N721 are expressed in inches.

**Data Element Summary**

	<b>Ref.</b>	<b>Data</b>	<b>Attributes</b>
	<b>Des.</b>	<b>Element Name</b>	
	<b>N701</b>	<b>206 Equipment Initial</b>	<b>O AN 1/4</b>
		Prefix or alphabetic part of an equipment unit's identifying number	
<b>Must Use</b>	<b>N702</b>	<b>207 Equipment Number</b>	<b>M AN 1/10</b>
		Sequencing or serial part of an equipment unit's identifying number (pure numeric form for equipment number is preferred)	
<b>Not Used</b>	<b>N703</b>	<b>81 Weight</b>	<b>O R 1/10</b>
		Numeric value of weight	
<b>Not Used</b>	<b>N704</b>	<b>187 Weight Qualifier</b>	<b>X ID 1/2</b>
		Code defining the type of weight	
		Refer to 003050 Data Element Dictionary for acceptable code values.	
<b>Not Used</b>	<b>N705</b>	<b>167 Tare Weight</b>	<b>X N0 3/8</b>
		Weight of the equipment	
<b>Not Used</b>	<b>N706</b>	<b>232 Weight Allowance</b>	<b>O N0 2/6</b>
		Allowance made for increased weight due to such factors as snow	
<b>Not Used</b>	<b>N707</b>	<b>205 Dunnage</b>	<b>O N0 1/6</b>
		Weight of material used to protect lading (even bracings, false floors, etc.)	
<b>Not Used</b>	<b>N708</b>	<b>183 Volume</b>	<b>X R 1/8</b>
		Value of volumetric measure	
<b>Not Used</b>	<b>N709</b>	<b>184 Volume Unit Qualifier</b>	<b>X ID 1/1</b>
		Code identifying the volume unit	
		Refer to 003050 Data Element Dictionary for acceptable code values.	
<b>Not Used</b>	<b>N710</b>	<b>102 Ownership Code</b>	<b>O ID 1/1</b>
		Code indicating the relationship of equipment to carrier or ownership of equipment	

			Refer to 003050 Data Element Dictionary for acceptable code values.	
Not Used	N711	40	<b>Equipment Description Code</b>	O ID 2/2
			Code identifying type of equipment used for shipment	
			Refer to 003050 Data Element Dictionary for acceptable code values.	
Not Used	N712	140	<b>Standard Carrier Alpha Code</b>	O ID 2/4
			Standard Carrier Alpha Code	
Not Used	N713	319	<b>Temperature Control</b>	O AN 3/6
			Free-form abbreviation of temperature range or flash-point temperature	
Not Used	N714	219	<b>Position</b>	O AN 1/3
			Relative position of shipment in car, trailer, or container (mutually defined)	
Not Used	N715	567	<b>Equipment Length</b>	O N0 4/5
			Length (in feet and inches) of equipment ordered or used to transport shipment (The format is FFFII where FFF is feet and II is inches; the range for II is 00 through 11)	
Not Used	N716	571	<b>Tare Qualifier Code</b>	X ID 1/1
			Code identifying the type of tare	
			Refer to 003050 Data Element Dictionary for acceptable code values.	
Not Used	N717	188	<b>Weight Unit Code</b>	O ID 1/1
			Code specifying the weight unit	
			Refer to 003050 Data Element Dictionary for acceptable code values.	
Not Used	N718	761	<b>Equipment Number Check Digit</b>	O N0 1/1
			Number which designates the check digit applied to a piece of equipment	
Not Used	N719	56	<b>Type of Service Code</b>	O ID 2/2
			Code specifying extent of transportation service requested	
			Refer to 003050 Data Element Dictionary for acceptable code values.	
Not Used	N720	65	<b>Height</b>	O R 1/8
			Vertical dimension of an object measured when the object is in the upright position	
Not Used	N721	189	<b>Width</b>	O R 1/8
			Shorter measurement of the two horizontal dimensions measured with the object in the upright position	
Not Used	N722	24	<b>Equipment Type</b>	O ID 4/4
			Code identifying equipment type	
Not Used	N723	140	<b>Standard Carrier Alpha Code</b>	O ID 2/4
			Standard Carrier Alpha Code	
Not Used	N724	301	<b>Car Type Code</b>	O ID 1/4
			Code maintained by AAR to identify a type of rail car or intermodal equipment type and its general physical characteristics; when using fewer than four characters, the value must include all of the leading or high order characters	

**Segment:** **NA** **Cross-Reference Equipment**

**Position:** 030

**Loop:** LX Mandatory

**Level:** Detail

**Usage:** Optional

**Max Use:** 1

**Purpose:** To cross-reference additional equipment to a primary piece of equipment

**Syntax Notes:** 1 If NA01 is present, then NA02 is required.

**Semantic Notes:** 1 NA07 is the owner's SCAC code.

**Comments:** 1 NA03 will contain the equipment initial of an associated shipment and is required by Rail. If unknown, use NONZ for van or NONU for container.  
 2 NA04 will contain the equipment number of an associated shipment  
 3 NA09 is the SCAC code of the operator of the equipment.

**Data Element Summary**

	<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
	<u>Des.</u>	<u>Element</u>		
	NA01	128	<b>Reference Number Qualifier</b>	<b>O ID 2/2</b>
			Code qualifying the Reference Number.	
			VT Motor Vehicle ID Number	
	NA02	127	<b>Reference Number</b>	<b>X AN 1/30</b>
			Reference number or identification number as defined for a particular Transaction Set, or as specified by the Reference Number Qualifier.	
<b>Must Use</b>	NA03	206	<b>Equipment Initial</b>	<b>M AN 1/4</b>
			Prefix or alphabetic part of an equipment unit's identifying number	
<b>Must Use</b>	NA04	207	<b>Equipment Number</b>	<b>M AN 1/10</b>
			Sequencing or serial part of an equipment unit's identifying number (pure numeric form for equipment number is preferred)	
<b>Not Used</b>	NA05	231	<b>Cross Reference Type Code</b>	<b>O ID 1/1</b>
			Code defining relationship of equipment to equipment cross-referenced	
			Refer to 003050 Data Element Dictionary for acceptable code values.	
<b>Not Used</b>	NA06	219	<b>Position</b>	<b>O AN 1/3</b>
			Relative position of shipment in car, trailer, or container (mutually defined)	
<b>Not Used</b>	NA07	140	<b>Standard Carrier Alpha Code</b>	<b>O ID 2/4</b>
			Standard Carrier Alpha Code	
<b>Not Used</b>	NA08	567	<b>Equipment Length</b>	<b>O N0 4/5</b>
			Length (in feet and inches) of equipment ordered or used to transport shipment (The format is FFFII where FFF is feet and II is inches; the range for II is 00 through 11)	
<b>Not Used</b>	NA09	140	<b>Standard Carrier Alpha Code</b>	<b>O ID 2/4</b>
			Standard Carrier Alpha Code	
<b>Not Used</b>	NA10	845	<b>Chassis Type</b>	<b>O ID 2/2</b>

Code identifying type of chassis

Refer to 003050 Data Element Dictionary for acceptable code values.

**Segment:** **M7** Seal Numbers  
**Position:** 040  
**Loop:** LX Mandatory  
**Level:** Detail  
**Usage:** Optional  
**Max Use:** 5  
**Purpose:** To record seal numbers used and the organization that applied the seals  
**Syntax Notes:**  
**Semantic Notes:**  
**Comments:** 1 M705 indicates the name of the organization who applied the seal(s)

#### Data Element Summary

	<b>Ref.</b>	<b>Data</b>	<b>Attributes</b>
	<b><u>Des.</u></b>	<b><u>Element</u> <u>Name</u></b>	
<b>Must Use</b>	<b>M701</b>	<b>225 Seal Number</b> Unique number on seal used to close a shipment	<b>M AN 2/15</b>
<b>Not Used</b>	<b>M702</b>	<b>225 Seal Number</b> Unique number on seal used to close a shipment	<b>O AN 2/15</b>
<b>Not Used</b>	<b>M703</b>	<b>225 Seal Number</b> Unique number on seal used to close a shipment	<b>O AN 2/15</b>
<b>Not Used</b>	<b>M704</b>	<b>225 Seal Number</b> Unique number on seal used to close a shipment	<b>O AN 2/15</b>
<b>Not Used</b>	<b>M705</b>	<b>98 Entity Identifier Code</b> Code identifying an organizational entity, a physical location, or an individual Refer to 003050 Data Element Dictionary for acceptable code values.	<b>O ID 2/2</b>



**Segment:** **L7** **Tariff Reference**  
**Position:** 090  
**Loop:** LX Mandatory  
**Level:** Detail  
**Usage:** Optional  
**Max Use:** 10  
**Purpose:** To reference details of the tariff used to arrive at applicable rates or charge  
**Syntax Notes:**  
**Semantic Notes:**

- 1 L710 is the effective date.
- 2 In L715 and L716, "City" and "State" are used for rate combination city and state.

**Comments:**

#### Data Element Summary

	Ref.	Data		
	<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
Not Used	L701	213	<b>Lading Line Item Number</b>	O N0 1/3
			Sequential line number for a lading item	
	L702	168	<b>Tariff Agency Code</b>	O ID 1/4
			Code defining the tariff bureau or tariff publishing agent that governs the rates applied to this shipment	
	L703	171	<b>Tariff Number</b>	O AN 1/7
			Standard tariff number for the tariff which governs the rates applied to the commodity item(s)	
Not Used	L704	172	<b>Tariff Section</b>	O AN 1/2
			Number used as an extension of the basic tariff number to identify the rates published within specific sections of the tariff	
Not Used	L705	169	<b>Tariff Item Number</b>	O AN 1/16
			Number assigned in the tariff to specific rate or group of rates that applies to one or more items in the shipment	
Not Used	L706	170	<b>Tariff Item Part</b>	O N0 1/2
			Number assigned to subsection of a specific tariff item (arbitrary)	
Not Used	L707	59	<b>Freight Class Code</b>	O AN 2/5
			Code indicating generalized classification that applies to one or more items in the shipment, i.e., class 70, 77.5, etc.	
	L708	173	<b>Tariff Supplement Identifier</b>	O AN 1/4
			Identifier for the tariff supplement which contains the rate used	
Not Used	L709	46	<b>Ex Parte</b>	O AN 4/4
			Level of rates as published in the tariff	
	L710	373	<b>Date</b>	O DT 6/6
			Date (YYMMDD)	
Not Used	L711	119	<b>Rate Basis Number</b>	O AN 1/6

<b>Not Used</b>	<b>L712</b>	<b>227</b>	<p>The (mileage) factor published for rating purposes in the appropriate tariff</p> <p><b>Tariff Column</b></p> <p>A tariff commodity classification that is used, as a means of control, for grouping of commodities in tariff applications</p>	<b>O</b>	<b>AN 1/2</b>
<b>Not Used</b>	<b>L713</b>	<b>294</b>	<p><b>Tariff Distance</b></p> <p>Distance on which the rate for a shipment is based</p>	<b>O</b>	<b>N0 1/5</b>
<b>Not Used</b>	<b>L714</b>	<b>295</b>	<p><b>Distance Qualifier</b></p> <p>Code identifying the distance unit</p> <p>Refer to 003050 Data Element Dictionary for acceptable code values.</p>	<b>O</b>	<b>ID 1/1</b>
<b>Not Used</b>	<b>L715</b>	<b>19</b>	<p><b>City Name</b></p> <p>Free-form text for city name</p>	<b>O</b>	<b>AN 2/30</b>
<b>Not Used</b>	<b>L716</b>	<b>156</b>	<p><b>State or Province Code</b></p> <p>Code (Standard State/Province) as defined by appropriate government agency</p>	<b>O</b>	<b>ID 2/2</b>

**Segment:** **N9** **Reference Number**  
**Position:** 100  
**Loop:** LX Mandatory  
**Level:** Detail  
**Usage:** Optional  
**Max Use:** 10  
**Purpose:** To transmit identifying numbers and descriptive information as specified by the reference number qualifier  
**Syntax Notes:** 1 At least one of N902 or N903 is required.  
2 If N906 is present, then N905 is required.  
**Semantic Notes:** 1 N906 reflects the time zone which the time reflects.  
**Comments:**

## Data Element Summary

	<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
	<u>Des.</u>	<u>Element</u>		
Must Use	N901	128	<b>Reference Number Qualifier</b>	M ID 2/2
			Code qualifying the Reference Number.	
		1P	Accessorial Status Code	
			Qualifies a single number that describes the status of an accessorial transportation service	
		25	Reason Not Lowest Cost Code	
			Qualifies a code that identifies why a service/rate other than the least costly service/rate was used	
		M6	Military Ordnance Security Risk Number	
			A number that identifies the security risk of transporting arms and ammunition	
		MF	Manufacturers Part Number	
		NS	National Stock Number	
		P4	Project Code	
		QN	Stop Sequence Number	
		RQ	Purchase Requisition No.	
		TG	Transportation Control Number (TCN)	
		TH	Transportation Account Code (TAC)	
	N902	127	<b>Reference Number</b>	X AN 1/30
			Reference number or identification number as defined for a particular Transaction Set, or as specified by the Reference Number Qualifier.	
Not Used	N903	369	<b>Free-form Description</b>	X AN 1/45
			Free-form descriptive text	
	N904	373	<b>Date</b>	O DT 6/6
			Date (YYMMDD)	
Not Used	N905	337	<b>Time</b>	X TM 4/8

Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99)

<b>Not Used</b>	<b>N906</b>	<b>623</b>	<b>Time Code</b>	<b>O ID 2/2</b>
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Code identifying the time. In accordance with International Standards Organization standard 8601, time can be specified by a + or - and an indication in hours in relation to Universal Time Coordinate (UTC) time; since + is a restricted character, + and - are substituted by P and M in the codes that follow

Refer to 003050 Data Element Dictionary for acceptable code values.

**Segment: L5 Description, Marks and Numbers****Position:** 130**Loop:** LX Mandatory**Level:** Detail**Usage:** Optional**Max Use:** 10**Purpose:** To specify the line item in terms of description, quantity, packaging, and marks and numbers

- Syntax Notes:**
- 1 If either L503 or L504 is present, then the other is required.
  - 2 If L507 is present, then L506 is required.
  - 3 If either L508 or L509 is present, then the other is required.

**Semantic Notes:**

- Comments:**
- 1 L502 may be used to send quantity information as part of the product description.

**Data Element Summary**

Ref.	Data			
<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>	
Not Used	L501	213 Lading Line Item Number	O	N0 1/3
		Sequential line number for a lading item		
	L502	79 Lading Description	O	AN 1/50
		Description of an item as required for rating and billing purposes		
	L503	22 Commodity Code	X	AN 1/30
		Code describing a commodity or group of commodities		
	L504	23 Commodity Code Qualifier	X	ID 1/1
		Code identifying the commodity coding system used for Commodity Code		
		C Canadian Freight Classification		
		D Department of Defense Unique Codes		
		E Coordinated Motor Freight Classification		
		I Milstamp AITC or Water Commodity Code		
		J Harmonized System-Based Schedule B		
		Classification of exported merchandise		
		K Federal Supply Classification		
		L Last Contained Contents STCC		
		N National Motor Freight Classification (NMFC)		
		T Standard Transportation Commodity Code (STCC)		
		U Uniform Freight Classification (UFC)		
Not Used	L505	103 Packaging Code	O	AN 3/5
		Code identifying the type of packaging; Part 1: Packaging Form, Part 2: Packaging Material		
		Refer to 003050 Data Element Dictionary for acceptable code values.		
	L506	87 Marks and Numbers	X	AN 1/45

			Marks and numbers used to identify a shipment or parts of a shipment		
<b>Not Used</b>	<b>L507</b>	<b>88</b>	<b>Marks and Numbers Qualifier</b>	<b>O</b>	<b>ID 1/2</b>
			Code specifying the application or source of Marks and Numbers (87)		
			Refer to 003050 Data Element Dictionary for acceptable code values.		
<b>Not Used</b>	<b>L508</b>	<b>23</b>	<b>Commodity Code Qualifier</b>	<b>X</b>	<b>ID 1/1</b>
			Code identifying the commodity coding system used for Commodity Code		
			Refer to 003050 Data Element Dictionary for acceptable code values.		
<b>Not Used</b>	<b>L509</b>	<b>22</b>	<b>Commodity Code</b>	<b>X</b>	<b>AN 1/30</b>
			Code describing a commodity or group of commodities		
<b>Not Used</b>	<b>L510</b>	<b>595</b>	<b>Compartment ID Code</b>	<b>O</b>	<b>ID 1/1</b>
			Code identifying the compartment in a compartmentalized tank car		
			Refer to 003050 Data Element Dictionary for acceptable code values.		

**Segment:** **LH6** **Hazardous Certification**

**Position:** 134

**Loop:** LX Mandatory

**Level:** Detail

**Usage:** Optional

**Max Use:** 5

**Purpose:** To specify the name of the person certifying that the shipment complies with the regulations and/or the actual certification

**Syntax Notes:** 1 If either LH602 or LH603 is present, then the other is required.

**Semantic Notes:**

**Comments:**

#### Data Element Summary

Ref.	Data		
<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
LH601	93	Name	O AN 1/35
		Free-form name	
LH602	272	Hazardous Certification Code	X ID 1/1
		Code indicating the form of the hazardous certification	
		1 Abbreviated Hazardous Certification	
		2 Long Form of Hazardous Certification	
LH603	273	Hazardous Certification Declaration	X AN 1/25
		Hazardous material certification verbiage as required by Title 49 of Code of Federal Regulations	
LH604	273	Hazardous Certification Declaration	O AN 1/25
		Hazardous material certification verbiage as required by Title 49 of Code of Federal Regulations	

**Segment: L0 Line Item - Quantity and Weight****Position:** 140**Loop:** L0 Optional**Level:** Detail**Usage:** Optional**Max Use:** 1**Purpose:** To specify quantity, weight, volume, and type of service for a line item including applicable "quantity/rate-as" data

- Syntax Notes:**
- 1 If either L002 or L003 is present, then the other is required.
  - 2 If either L004 or L005 is present, then the other is required.
  - 3 If either L006 or L007 is present, then the other is required.
  - 4 If either L008 or L009 is present, then the other is required.
  - 5 If L011 is present, then L004 is required.

**Semantic Notes:****Comments:****Data Element Summary**

<b>Ref.</b>	<b>Data</b>	<b>Name</b>	<b>Attributes</b>
<b>Des.</b>	<b>Element</b>		
<b>L001</b>	<b>213</b>	<b>Lading Line Item Number</b>	<b>O N0 1/3</b>
		Sequential line number for a lading item	
<b>L002</b>	<b>220</b>	<b>Billed/Rated-as Quantity</b>	<b>X R 1/11</b>
		Basis for rating (miles, value, volume, etc.); Note: Weight may be defined by either data element 220 or 81	
<b>L003</b>	<b>221</b>	<b>Billed/Rated-as Qualifier</b>	<b>X ID 2/2</b>
		Code identifying the type of quantity or value on which the rate or item pricing is based	
		Refer to 003050 Data Element Dictionary for acceptable code values.	
<b>L004</b>	<b>81</b>	<b>Weight</b>	<b>X R 1/10</b>
		Numeric value of weight	
<b>L005</b>	<b>187</b>	<b>Weight Qualifier</b>	<b>X ID 1/2</b>
		Code defining the type of weight	
		G Gross Weight	
		N Actual Net Weight	
		PA Pallet Weight	
		R Per Unit Dunnage	
		SK Skid Weight	
		T Tare Weight	
<b>L006</b>	<b>183</b>	<b>Volume</b>	<b>X R 1/8</b>
		Value of volumetric measure	
<b>L007</b>	<b>184</b>	<b>Volume Unit Qualifier</b>	<b>X ID 1/1</b>
		Code identifying the volume unit	



858A - Freight Government Bill of Lading Shipment Information

			E	Cubic Feet		
			G	Gallons		
			H	Hundreds of Measurement Tons		
			S	Measurement Ton		
			V	Liter		
			X	Cubic Meters		
	<b>L008</b>	<b>80</b>	<b>Lading Quantity</b>		<b>X</b>	<b>N0 1/7</b>
			Number of units (pieces) of the lading commodity			
	<b>L009</b>	<b>211</b>	<b>Packaging Form Code</b>		<b>X</b>	<b>ID 3/3</b>
			Code for packaging form of the lading quantity			
			Refer to 003050 Data Element Dictionary for acceptable code values.			
	<b>L010</b>	<b>458</b>	<b>Dunnage Description</b>		<b>O</b>	<b>AN 2/25</b>
			Material used to protect lading			
	<b>L011</b>	<b>188</b>	<b>Weight Unit Code</b>		<b>O</b>	<b>ID 1/1</b>
			Code specifying the weight unit			
			L	Pounds		
			S	Short Ton		
			T	Long Ton		
<b>Not Used</b>	<b>L012</b>	<b>56</b>	<b>Type of Service Code</b>		<b>O</b>	<b>ID 2/2</b>
			Code specifying extent of transportation service requested			
			Refer to 003050 Data Element Dictionary for acceptable code values.			

**Segment: L1 Rate and Charges****Position:** 150**Loop:** L0 Optional**Level:** Detail**Usage:** Optional**Max Use:** 20**Purpose:** To specify rate and charges detail relative to a line item including freight charges, advances, special charges, and entitlements

**Syntax Notes:**

- 1 At least one of L104 L105 or L106 is required.
- 2 If either L114 or L115 is present, then the other is required.
- 3 If either L117 or L118 is present, then the other is required.

**Semantic Notes:** 1 L119 is the percent used to determine the charge in L104.**Comments:****Data Element Summary**

	<b>Ref.</b>	<b>Data</b>	<b>Attributes</b>
	<b><u>Des.</u></b>	<b><u>Element</u> <u>Name</u></b>	<b><u>Attributes</u></b>
Not Used	<b>L101</b>	<b>213 Lading Line Item Number</b> Sequential line number for a lading item	<b>O N0 1/3</b>
	<b>L102</b>	<b>60 Freight Rate</b> Rate that applies to the specific commodity	<b>O R 1/9</b>
	<b>L103</b>	<b>122 Rate/Value Qualifier</b> Code qualifying how to extend charges or interpret value Refer to 003050 Data Element Dictionary for acceptable code values.	<b>O ID 2/2</b>
	<b>L104</b>	<b>58 Charge</b> For a line item: freight or special charge; for the total invoice: the total charges -- expressed in the standard monetary denomination for the currency specified	<b>X N2 1/9</b>
Not Used	<b>L105</b>	<b>191 Advances</b> Incidental charges occurring during transportation which are not generally considered to be freight charges (examples - stop charges, diversion and reconsignment, icing) expressed in the standard monetary denomination for the currency specified	<b>X N2 1/9</b>
Not Used	<b>L106</b>	<b>117 Prepaid Amount</b> Money paid at point of origin (usually by shipper) expressed in the standard monetary denomination for the currency specified	<b>X N2 1/9</b>
Not Used	<b>L107</b>	<b>120 Rate Combination Point Code</b> The code denoting the connecting station for a joint rate obtained by combining two or more published rates which are used for the calculation of transportation charges Refer to 003050 Data Element Dictionary for acceptable code values.	<b>O AN 3/9</b>
	<b>L108</b>	<b>150 Special Charge or Allowance Code</b> Code identifying type of special charge or allowance	<b>O ID 3/3</b>

			405	Fuel Surcharge		
			BSC	Bunker Surcharge		
	<b>L109</b>	<b>121</b>	<b>Rate Class Code</b>		<b>O</b>	<b>ID 1/3</b>
			Code identifying specifically designated class of goods; Note: For international air shipments, see IATA Resolution 600k			
			A	Alternate Rating		
			C	Specific Commodity Rate		
			I	Class Not Identifiable		
			L	Class Rate		
			QUO	Quoted Rate		
			Y	Exception Rating		
<b>Not Used</b>	<b>L110</b>	<b>39</b>	<b>Entitlement Code</b>		<b>O</b>	<b>ID 1/1</b>
			Code identifying entitlement party			
			Refer to 003050 Data Element Dictionary for acceptable code values.			
<b>Not Used</b>	<b>L111</b>	<b>16</b>	<b>Charge Method of Payment</b>		<b>O</b>	<b>ID 1/1</b>
			Code defining method of payment			
			Refer to 003050 Data Element Dictionary for acceptable code values.			
	<b>L112</b>	<b>276</b>	<b>Special Charge Description</b>		<b>O</b>	<b>AN 2/25</b>
			Identification of special charge; this data element is used whenever an applicable code cannot be found in data element 150			
<b>Not Used</b>	<b>L113</b>	<b>257</b>	<b>Tariff Application Code</b>		<b>O</b>	<b>ID 1/1</b>
			Code indicating to which traffic a tariff applies			
			Refer to 003050 Data Element Dictionary for acceptable code values.			
	<b>L114</b>	<b>74</b>	<b>Declared Value</b>		<b>X</b>	<b>N2 2/10</b>
			Monetary assigned value expressed in the standard monetary denomination for the currency specified			
	<b>L115</b>	<b>122</b>	<b>Rate/Value Qualifier</b>		<b>X</b>	<b>ID 2/2</b>
			Code qualifying how to extend charges or interpret value			
			LB	Per Pound		
			PV	Per Vehicle		
<b>Not Used</b>	<b>L116</b>	<b>372</b>	<b>Lading Liability Code</b>		<b>O</b>	<b>ID 1/1</b>
			Code identifying limits of liability			
			Refer to 003050 Data Element Dictionary for acceptable code values.			
<b>Not Used</b>	<b>L117</b>	<b>220</b>	<b>Billed/Rated-as Quantity</b>		<b>X</b>	<b>R 1/11</b>
			Basis for rating (miles, value, volume, etc.); Note: Weight may be defined by either data element 220 or 81			
<b>Not Used</b>	<b>L118</b>	<b>221</b>	<b>Billed/Rated-as Qualifier</b>		<b>X</b>	<b>ID 2/2</b>
			Code identifying the type of quantity or value on which the rate or item pricing is based			
			Refer to 003050 Data Element Dictionary for acceptable code values.			
<b>Not Used</b>	<b>L119</b>	<b>954</b>	<b>Percent</b>		<b>O</b>	<b>R 1/10</b>

Percentage expressed as a decimal

**Segment:** **MEA** **Measurements**  
**Position:** 160  
**Loop:** L0 Optional  
**Level:** Detail  
**Usage:** Optional  
**Max Use:** 10  
**Purpose:** To specify physical measurements or counts, including dimensions, tolerances, variances, and weights (See Figures Appendix for example of use of C001)

**Syntax Notes:**

- 1 At least one of MEA03 MEA05 MEA06 or MEA08 is required.
- 2 If MEA05 is present, then MEA04 is required.
- 3 If MEA06 is present, then MEA04 is required.
- 4 If MEA07 is present, then at least one of MEA03 MEA05 or MEA06 is required.
- 5 Only one of MEA08 or MEA03 may be present.

**Semantic Notes:** 1 MEA04 defines the unit of measure for MEA03, MEA05, and MEA06.

**Comments:** 1 When citing dimensional tolerances, any measurement requiring a sign (+ or -), or any measurement where a positive (+) value cannot be assumed, use MEA05 as the negative (-) value and MEA06 as the positive (+) value.

#### Data Element Summary

Ref.	Data		
<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
MEA01	737	<b>Measurement Reference ID Code</b>	<b>O ID 2/2</b>
		Code identifying the broad category to which a measurement applies	
		CT Counts	
		NX Net Explosive Weight	
		PA Pallet Dimensions	
		SD Shipped Dimensions	
		SK Skid Dimensions	
MEA02	738	<b>Measurement Qualifier</b>	<b>O ID 1/3</b>
		Code identifying a specific product or process characteristic to which a measurement applies	
		B Billed Weight	
		HT Height	
		LN Length	
		WD Width	
MEA03	739	<b>Measurement Value</b>	<b>X R 1/20</b>
		The value of the measurement	
MEA04	C001	<b>Composite Unit of Measure</b>	<b>X</b>
		To identify a composite unit of measure (See Figures Appendix for examples of use)	
Must Use	C00101	<b>355 Unit or Basis for Measurement Code</b>	<b>M ID 2/2</b>
		Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken	

			Refer to 003050 Data Element Dictionary for acceptable code values.		
	<b>C00102</b>	<b>1018</b>	<b>Exponent</b>	<b>O</b>	<b>R 1/15</b>
			Power to which a unit is raised		
	<b>C00103</b>	<b>649</b>	<b>Multiplier</b>	<b>O</b>	<b>R 1/10</b>
			Value to be used as a multiplier to obtain a new value		
	<b>C00104</b>	<b>355</b>	<b>Unit or Basis for Measurement Code</b>	<b>O</b>	<b>ID 2/2</b>
			Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken		
			Refer to 003050 Data Element Dictionary for acceptable code values.		
	<b>C00105</b>	<b>1018</b>	<b>Exponent</b>	<b>O</b>	<b>R 1/15</b>
			Power to which a unit is raised		
	<b>C00106</b>	<b>649</b>	<b>Multiplier</b>	<b>O</b>	<b>R 1/10</b>
			Value to be used as a multiplier to obtain a new value		
	<b>C00107</b>	<b>355</b>	<b>Unit or Basis for Measurement Code</b>	<b>O</b>	<b>ID 2/2</b>
			Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken		
			Refer to 003050 Data Element Dictionary for acceptable code values.		
	<b>C00108</b>	<b>1018</b>	<b>Exponent</b>	<b>O</b>	<b>R 1/15</b>
			Power to which a unit is raised		
	<b>C00109</b>	<b>649</b>	<b>Multiplier</b>	<b>O</b>	<b>R 1/10</b>
			Value to be used as a multiplier to obtain a new value		
	<b>C00110</b>	<b>355</b>	<b>Unit or Basis for Measurement Code</b>	<b>O</b>	<b>ID 2/2</b>
			Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken		
			Refer to 003050 Data Element Dictionary for acceptable code values.		
	<b>C00111</b>	<b>1018</b>	<b>Exponent</b>	<b>O</b>	<b>R 1/15</b>
			Power to which a unit is raised		
	<b>C00112</b>	<b>649</b>	<b>Multiplier</b>	<b>O</b>	<b>R 1/10</b>
			Value to be used as a multiplier to obtain a new value		
	<b>C00113</b>	<b>355</b>	<b>Unit or Basis for Measurement Code</b>	<b>O</b>	<b>ID 2/2</b>
			Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken		
			Refer to 003050 Data Element Dictionary for acceptable code values.		
	<b>C00114</b>	<b>1018</b>	<b>Exponent</b>	<b>O</b>	<b>R 1/15</b>
			Power to which a unit is raised		
	<b>C00115</b>	<b>649</b>	<b>Multiplier</b>	<b>O</b>	<b>R 1/10</b>
			Value to be used as a multiplier to obtain a new value		
<b>Not Used</b>	<b>MEA05</b>	<b>740</b>	<b>Range Minimum</b>	<b>X</b>	<b>R 1/20</b>
			The value specifying the minimum of the measurement range		
<b>Not Used</b>	<b>MEA06</b>	<b>741</b>	<b>Range Maximum</b>	<b>X</b>	<b>R 1/20</b>
			The value specifying the maximum of the measurement range		

<b>Not Used</b>	<b>MEA07</b>	<b>935</b>	<b>Measurement Significance Code</b>	<b>O</b>	<b>ID 2/2</b>
			Code used to benchmark, qualify or further define a measurement value Refer to 003050 Data Element Dictionary for acceptable code values.		
<b>Not Used</b>	<b>MEA08</b>	<b>936</b>	<b>Measurement Attribute Code</b>	<b>X</b>	<b>ID 2/2</b>
			Code used to express an attribute response when a numeric measurement value cannot be determined Refer to 003050 Data Element Dictionary for acceptable code values.		
<b>Not Used</b>	<b>MEA09</b>	<b>752</b>	<b>Surface/Layer/Position Code</b>	<b>O</b>	<b>ID 2/2</b>
			Code indicating the product surface, layer or position that is being described Refer to 003050 Data Element Dictionary for acceptable code values.		
<b>Not Used</b>	<b>MEA10</b>	<b>1373</b>	<b>Measurement Method or Device</b>	<b>O</b>	<b>ID 2/4</b>
			The method or device used to record the measurement Refer to 003050 Data Element Dictionary for acceptable code values.		

**Segment: LH1 Hazardous Identification Information****Position:** 170**Loop:** LH1 Optional**Level:** Detail**Usage:** Optional**Max Use:** 1**Purpose:** To specify the hazardous commodity identification reference number and quantity**Syntax Notes:****Semantic Notes:**

- Comments:**
- 1 LH101 and LH102 are used to convey the number and type of packages for bulk and nonbulk movements.
  - 2 LH106 and LH107 are used to convey the quantity or volume and unit of measure for nonbulk shipments only.
  - 3 In LH109, a value of "R" requires that the receiver generate the words "residue: last contained" prior to the shipping name in accordance with regulations and the words "- residue" following all placards associated with this description.

**Data Element Summary**

	<b>Ref.</b>	<b>Data</b>	<b>Name</b>	<b>Attributes</b>
	<b>Des.</b>	<b>Element</b>		
<b>Must Use</b>	<b>LH101</b>	<b>355</b>	<b>Unit or Basis for Measurement Code</b>	<b>M ID 2/2</b>
			Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken	
			Refer to 003050 Data Element Dictionary for acceptable code values.	
<b>Must Use</b>	<b>LH102</b>	<b>80</b>	<b>Lading Quantity</b>	<b>M N0 1/7</b>
			Number of units (pieces) of the lading commodity	
	<b>LH103</b>	<b>277</b>	<b>UN/NA Identification Code</b>	<b>O ID 6/6</b>
			Code identifying the hazardous material identification number as required by Title 49 of the code of Federal Regulators. UN/NA stands for United Nations/North America.	
<b>Not Used</b>	<b>LH104</b>	<b>200</b>	<b>Hazardous Materials Page</b>	<b>O AN 1/6</b>
			The United Nations page number as required for the international transport of hazardous materials	
<b>Not Used</b>	<b>LH105</b>	<b>22</b>	<b>Commodity Code</b>	<b>O AN 1/30</b>
			Code describing a commodity or group of commodities	
	<b>LH106</b>	<b>355</b>	<b>Unit or Basis for Measurement Code</b>	<b>O ID 2/2</b>
			Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken	
			Refer to 003050 Data Element Dictionary for acceptable code values.	
	<b>LH107</b>	<b>380</b>	<b>Quantity</b>	<b>O R 1/15</b>
			Numeric value of quantity	
<b>Not Used</b>	<b>LH108</b>	<b>595</b>	<b>Compartment ID Code</b>	<b>O ID 1/1</b>
			Code identifying the compartment in a compartmentalized tank car	



			Refer to 003050 Data Element Dictionary for acceptable code values.	
	<b>LH109</b>	<b>665</b>	<b>Residue Indicator Code</b>	<b>O ID 1/1</b>
			Code indicating that the shipment is not a loaded movement but contains a residue from a prior movement	
			R	Residue Last Contained Description
	<b>LH110</b>	<b>254</b>	<b>Packing Group Code</b>	<b>O ID 1/3</b>
			Code indicating degree of danger in terms of Roman number I, II or III	
<b>Not Used</b>	<b>LH111</b>	<b>1375</b>	<b>Interim Hazardous Material Regulatory Number</b>	<b>O AN 1/5</b>
			Identifies the current regulatory version number used for hazardous materials shipments	

**Segment: LH2 Hazardous Classification Information****Position:** 180**Loop:** LH1 Optional**Level:** Detail**Usage:** Optional**Max Use:** 4**Purpose:** To specify the hazardous classification, placard notation, and endorsement information**Syntax Notes:** 1 If either LH206 or LH207 is present, then the other is required.**Semantic Notes:** 1 LH206 and LH207 indicates the flashpoint temperature.**Comments:****Data Element Summary**

Ref.	Data		
<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
LH201	215	<b>Hazardous Classification</b>	O ID 1/30
		The hazardous classification corresponding to the shipping name of the hazardous commodity	
LH202	983	<b>Hazardous Class Qualifier</b>	O ID 1/1
		Code qualifying hazardous class	
		P Primary	
		S Secondary	
Not Used	LH203	218 <b>Hazardous Placard Notation</b>	O ID 14/40
		The placard notation corresponding to the hazard class of the hazardous commodity	
Not Used	LH204	222 <b>Hazardous Endorsement</b>	O ID 4/25
		The placard endorsement that is to be shown on the shipping papers for the hazardous commodity	
	LH205	759 <b>Reportable Quantity Code</b>	O ID 2/2
		Code to identify presence of hazardous substance	
		RQ Reportable Quantity	
Not Used	LH206	355 <b>Unit or Basis for Measurement Code</b>	X ID 2/2
		Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken	
		Refer to 003050 Data Element Dictionary for acceptable code values.	
Not Used	LH207	408 <b>Temperature</b>	X R 1/4
		Temperature	

**Segment:** **LH3** Hazardous Material Shipping Name  
**Position:** 190  
**Loop:** LH1 Optional  
**Level:** Detail  
**Usage:** Optional  
**Max Use:** 12  
**Purpose:** To specify the hazardous material shipping name and additional descriptive requirements  
**Syntax Notes:** 1 If either LH301 or LH302 is present, then the other is required.  
**Semantic Notes:**  
**Comments:**

#### Data Element Summary

Ref.	Data		
<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
LH301	224	Hazardous Material Shipping Name	X AN 1/25
		The proper shipping name of the hazardous commodity as specified by the Code of Federal Regulations, Title 49	
LH302	984	Hazardous Material Shipping Name Qualifier	X ID 1/1
		Qualifier indicating the source (regulatory) of the proper shipping name	
		C Canadian Shipping Name	
		D Domestic (United States) Shipping Name	
		I International Shipping Name	
LH303	985	N.O.S. Indicator Code	O ID 3/3
		Code indicating the type of regulatory requirements that apply to a description; N.O.S. stands for Not Otherwise Specified	
		NOS N.O.S. Regulatory Requirements Apply	

**Segment:** **LFH** Freeform Hazardous Material Information  
**Position:** 191  
**Loop:** LH1 Optional  
**Level:** Detail  
**Usage:** Optional  
**Max Use:** 20  
**Purpose:** To uniquely identify the variable information required by government regulation covering the transportation of hazardous material shipments

**Syntax Notes:**

**Semantic Notes:**

**Comments:**

### Data Element Summary

	<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
	<u>Des.</u>	<u>Element</u>		
Must Use	LFH01	808	<b>Hazardous Material Shipment Information Qualifier</b>	<b>M ID 3/3</b>
			Qualifier indicating the type of information being passed so that a receiver may format a description of hazardous commodity movements that meets regulatory requirements	
			ADI	Additional Descriptive Information Not Required by Regulation but Desired to Accompany the Movement by the Shipper
			DWW	"Dangerous When Wet" Declaration
			HOT	Identifies Products in a Heated Molten State
			LQY	"Limited Quantity" Declaration
			PIH	"Poison - Inhalation Hazard" Declaration
			POI	"Poison" Declaration
			RAM	Radioactive Material Data
			TEC	Technical or Chemical Group Name
Must Use	LFH02	809	<b>Hazardous Material Shipment Information</b>	<b>M AN 1/25</b>
			Specific information required by law for hazardous material shipments	
	LFH03	809	<b>Hazardous Material Shipment Information</b>	<b>O AN 1/25</b>
			Specific information required by law for hazardous material shipments	
	LFH04	1023	<b>Hazard Zone Code</b>	<b>O ID 1/1</b>
			Code specifying the Department of Transportation assigned zone designating the Inhalation Toxicity Hazard Zone	
			A	Hazard Zone A
			B	Hazard Zone B
			C	Hazard Zone C
			D	Hazard Zone D

**Segment:** **LHR** Hazardous Material Identifying Reference Numbers  
**Position:** 210  
**Loop:** LH1 Optional  
**Level:** Detail  
**Usage:** Optional  
**Max Use:** 10  
**Purpose:** To transmit specific hazardous material reference numbers  
**Syntax Notes:**  
**Semantic Notes:**  
**Comments:**

Data Element Summary				
	<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
	<u>Des.</u>	<u>Element</u>		
Must Use	LHR01	128	Reference Number Qualifier	M ID 2/2
Code qualifying the Reference Number.				
			II Department of Defense Identification Code (DoDIC)	
			Qualifies a code that uniquely identifies a type of explosive or ammunition	
			HD Department of Transportation Hazardous Number	
			HE Hazardous Exemption Number	
			HN Hazardous Certification Number	
			IM Intergovernmental Maritime Organization (IMO) Number	
Must Use	LHR02	127	Reference Number	M AN 1/30
Reference number or identification number as defined for a particular Transaction Set, or as specified by the Reference Number Qualifier.				

**Segment:** **LHE** **Empty Equipment Hazardous Material Information**  
**Position:** 220  
**Loop:** LH1 Optional  
**Level:** Detail  
**Usage:** Optional  
**Max Use:** 1  
**Purpose:** To specify the "last contained" hazardous shipping name, placard notation, and reference numbers for empty equipment

**Syntax Notes:**

**Semantic Notes:**

**Comments:**

#### Data Element Summary

	<u>Ref.</u>	<u>Data</u>	<u>Attributes</u>
	<u>Des.</u>	<u>Element</u> <u>Name</u>	
Must Use	LHE01	224 <b>Hazardous Material Shipping Name</b>	M AN 1/25
		The proper shipping name of the hazardous commodity as specified by the Code of Federal Regulations, Title 49	
Must Use	LHE02	218 <b>Hazardous Placard Notation</b>	M ID 14/40
		The placard notation corresponding to the hazard class of the hazardous commodity	
Must Use	LHE03	128 <b>Reference Number Qualifier</b>	M ID 2/2
		Code qualifying the Reference Number. Refer to 003050 Data Element Dictionary for acceptable code values.	
Must Use	LHE04	127 <b>Reference Number</b>	M AN 1/30
		Reference number or identification number as defined for a particular Transaction Set, or as specified by the Reference Number Qualifier.	
	LHE05	759 <b>Reportable Quantity Code</b>	O ID 2/2
		Code to identify presence of hazardous substance Refer to 003050 Data Element Dictionary for acceptable code values.	

**Segment: L3 Total Weight and Charges****Position:** 010**Loop:****Level:** Summary**Usage:** Optional**Max Use:** 1**Purpose:** To specify the total shipment in terms of weight, volume, rates, charges, advances, and prepaid amounts applicable to one or more line items

**Syntax Notes:**

- 1 If either L301 or L302 is present, then the other is required.
- 2 If either L303 or L304 is present, then the other is required.
- 3 If either L309 or L310 is present, then the other is required.
- 4 If L312 is present, then L301 is required.
- 5 If either L314 or L315 is present, then the other is required.

**Semantic Notes:** 1 L305 is the total charges.**Comments:****Data Element Summary**

	<u>Ref.</u>	<u>Data</u>	<u>Attributes</u>
	<u>Des.</u>	<u>Element</u> <u>Name</u>	
Not Used	L301	81 <b>Weight</b>	X R 1/10
		Numeric value of weight	
Not Used	L302	187 <b>Weight Qualifier</b>	X ID 1/2
		Code defining the type of weight	
		Refer to 003050 Data Element Dictionary for acceptable code values.	
Not Used	L303	60 <b>Freight Rate</b>	X R 1/9
		Rate that applies to the specific commodity	
Not Used	L304	122 <b>Rate/Value Qualifier</b>	X ID 2/2
		Code qualifying how to extend charges or interpret value	
		Refer to 003050 Data Element Dictionary for acceptable code values.	
	L305	58 <b>Charge</b>	O N2 1/9
		For a line item: freight or special charge; for the total invoice: the total charges -- expressed in the standard monetary denomination for the currency specified	
Not Used	L306	191 <b>Advances</b>	O N2 1/9
		Incidental charges occurring during transportation which are not generally considered to be freight charges (examples - stop charges, diversion and reconsignment, icing) expressed in the standard monetary denomination for the currency specified	
Not Used	L307	117 <b>Prepaid Amount</b>	O N2 1/9
		Money paid at point of origin (usually by shipper) expressed in the standard monetary denomination for the currency specified	
Not Used	L308	150 <b>Special Charge or Allowance Code</b>	O ID 3/3
		Code identifying type of special charge or allowance	

			Refer to 003050 Data Element Dictionary for acceptable code values.	
	<b>L309</b>	<b>183</b>	<b>Volume</b>	<b>X R 1/8</b>
			Value of volumetric measure	
	<b>L310</b>	<b>184</b>	<b>Volume Unit Qualifier</b>	<b>X ID 1/1</b>
			Code identifying the volume unit	
			E	Cubic Feet
			G	Gallons
			H	Hundreds of Measurement Tons
			S	Measurement Ton
			V	Liter
			X	Cubic Meters
	<b>L311</b>	<b>80</b>	<b>Lading Quantity</b>	<b>O N0 1/7</b>
			Number of units (pieces) of the lading commodity	
<b>Not Used</b>	<b>L312</b>	<b>188</b>	<b>Weight Unit Code</b>	<b>O ID 1/1</b>
			Code specifying the weight unit	
			Refer to 003050 Data Element Dictionary for acceptable code values.	
<b>Not Used</b>	<b>L313</b>	<b>171</b>	<b>Tariff Number</b>	<b>O AN 1/7</b>
			Standard tariff number for the tariff which governs the rates applied to the commodity item(s)	
<b>Not Used</b>	<b>L314</b>	<b>74</b>	<b>Declared Value</b>	<b>X N2 2/10</b>
			Monetary assigned value expressed in the standard monetary denomination for the currency specified	
<b>Not Used</b>	<b>L315</b>	<b>122</b>	<b>Rate/Value Qualifier</b>	<b>X ID 2/2</b>
			Code qualifying how to extend charges or interpret value	
			Refer to 003050 Data Element Dictionary for acceptable code values.	



**Segment:** **SE** Transaction Set Trailer  
**Position:** 020  
**Loop:**  
**Level:** Summary  
**Usage:** Mandatory  
**Max Use:** 1  
**Purpose:** To indicate the end of the transaction set and provide the count of the transmitted segments (including the beginning (ST) and ending (SE) segments).

**Syntax Notes:****Semantic Notes:**

**Comments:** 1 SE is the last segment of each transaction set.

**Data Element Summary**

	<b>Ref.</b>	<b>Data</b>		
	<b><u>Des.</u></b>	<b><u>Element</u></b>	<b><u>Name</u></b>	<b><u>Attributes</u></b>
<b>Must Use</b>	<b>SE01</b>	<b>96</b>	<b>Number of Included Segments</b>	<b>M N0 1/10</b>
			Total number of segments included in a transaction set including ST and SE segments	
<b>Must Use</b>	<b>SE02</b>	<b>329</b>	<b>Transaction Set Control Number</b>	<b>M AN 4/9</b>
			Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set	